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## The

## * AMERICAN 粂

## FLORIST.

A WEEKLY JOURNAL FOR THE TRADE.


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AMERICAN FLORIST COMPANY.

# The American Florist． 

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# The American Flobist 



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THE AMERTGAN ELIORIST

## TWENTIETH YEaR

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 Subscription, $\$ 1.00$ a year, To Enrope, $\$ 2.00$ Subscriptions accepted only from the trade. Volumes balf-yearly from August, 1801.SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.
Officers-J. C. Vaughan, Chicago, president J. R. Freeman. Washington, D. C., vice-president; V'm. J. Stewant, II Iamilton Place, Room 11. Boston Mass., secretary; II B. Beatty, Ui City. Pa., treasurer Twenty-first annual meeting at Wasbington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY. Annual convention at Boston, l90t. M. Herr, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.
Annual meeting and exhibition, Boston, Mass. 905. Wm. J. Stewant, 11 Hamilton Plice, Bos ton, Mass., secretary

CHRYSANTHEMUM SOCIETY OF AMERICA
Annual convention aud exhibition, November 1905. Fred. H. Leman. Fichmond, Ind., seeretury

## Palm Beach in January.

fron porple skies without a clout A flood of moonlight falls
On miles of scented orange groves Hung thick with golden balls
Faint measures pulse along the air, The music of the bind.
And wavelets from enchanted isles Run lisping up the sand.

Tbe fireflies in the sugar cane Their nightly revels hold,
The ter rose at the conttage door Displays a heart of gold; And where the long gray mosses drop A curtain by the stream The waxen calla lily bud Lies folded in a dream.
The tinkle of a banjo sountis Across the silvered fields
its rarest perfume to the breeze
The orinte blossom yields:
The robin that so bravely led
To-night upon a live oak tuet:
IIis bead beneath his wing.
Not far beyond the everglades And green palmetto treas Are northern citues roofed And $\cdot$ rystal brooks that free show Bnt here, beside thr sapphire sea, In dewy, frayrant bowers sweet summer in a ganzy robe sits weaving orange flowers. Lestie's If eekly

## American Carnation Society.

Fourteenth Annual Mreting, Chicago, January 25-26, 1905

The Convention and Exhibition.
The fourteenth annual meeting and exhibition of the American Carnation Society was held in the large banquet hall of the Auditorium hotel, Chicago, January 25 and 26. The central portion of the beantiful hall was assigned to the exhibition, the sonthern end to the meeting and the northern end was used to receive and unpack the blooms previous to staging. The whole situa-


President-elect Peter Fisher.
tion was so admirably adapted for the event that it would be difficult to conceive it possible to improve upon. The officers and committees of the local club rendered such valuable and willing assistance to the exhibitors in staging their flowers that this usually exciting work was completed with the least possible friction, and when the hour of $1 \mathrm{D} . \mathrm{m}$. came all was in complete readiness for the judges. The
helated exhibits due to slow train ser. vice were this year lew indeed, and when later staged received due recognition from the judges and visitors.

The display, while perhaps not much if any larger than that of a year ago, at Detroit, was certainly far superior in merit, measured by the quality of the blooms and number of varieties shown. The merit of the flowers was not confined alone to size but extended to their fresh appearance which was maintained to the last hours of the show. Few, indeed, comparatively speaking, were the exceptions noted. The happy thought of the management in covering the display tables with light green bunting was an essential feature of the finished appearance of the exhibition and was certainly a great improvement on the cold white usually seen employed for that purpose.

## Wednesday Evening Session.

The first session of the convention was called to order in the assembly room of the Auditorium hotel, Wednesday evening, at $\&$ p. m. by W. N. Rndd. Howard S. Taylor was introduced and he, in behalf of the city of Chicago, delivered an address of welcome to the assembled visitors. He commended the industry and tenacity of carnationists whose efforts in improving the carnation have heen prodnctive of snch great resnlts as shown in the exhibition hall. He urged a continuance of such efforts and predicted the ideal 4 -inch flower as the certain result. In behalf of the assembled visitors E. G. Hill, of Richmond, lnd. made a brief but witty response which was much applanded. President Hartshorne then read his address and Secretary Herr read the full list of awards as shown by the judges report in another part of the paper. The reports of Secretary Herr and Treasurer Dorner were then read.

The McFinley memorial fund rommittee reported throngl Chairman H . M. Altick, of Dayton. O. He urged
that the florists give a more geuerous response to the appeals of the committee, and suggested donating a percentage of their sales on McKinley day. Mr. Rudd in discussing the subject offered the resolution, which was unanimously adopted, that a suitable offering by this society of carnation blooms be sent to the grave of our late lamented president, at Canton, $\mathbf{O}$., on the anniversary of his birth. A resolution was adopted to continue the committee and endorsing its suggestion to give a percentage of their sales to the fund. The report of the nomenclature committee was then read, followed by the reading of a paper on "Carnation Diseases" by Prof. H. Hasselbring, of the University of Chicago. The discussion of this paper was opened hy W. N. Rudd, who stated he should have to deny the theory advanced by the essayist that carnations would not "run out" and pointed to the Lawson variety as a distinct example of it. C. W. Ward recommended the sterilization of all soil used inside to prevent stem rot. He found a low temperature conducive to strength of plants and the use of a limited amount of artificial fertilizers. Peter Fisher advanced the theory that perfectly healthy cuttings may become infested with stem rot by a check in the growth. Cuttings left too long in the sand after being rooted would be sufficient cause for originating the disease in question. ${ }^{\text {n }}$ answering the question of J. A. Valentine as to what really constituted complete sterilization, Prof. Hasselbring stated that a temperature of $212^{\circ}$ or over would totally destroy the germs in the soil. Mr. Weher, of Oakland, Md., said he thought stem rot was nature's method of destroying dead vegetable matter in plants.
boston gets the next contention.
The matter of selecting the next meeting place was then taken up. Secretary Herr read letters from VicePresident Wm. Gammage, of London, Ont., and J. H. Dunlop, inviting the society to meet in Toronto. An invitation was received from the Massachusetts Horticultural Society to meet in Boston, seconded by the Gardeners' and Florists' Club of that city. After considerable discussion the matter was put to a vote which was very evenly divided. It was later found, however, by reference to the constitution that the directors alone were empowered to appoint a meeting place. Mr. Dunlop then withdrew his invitation in favor of Boston and the latter place was finally selected by the directors. The nomination of officers was then taken up and the evening session adjourned.

## Thursday Morning Session.

The Thursday morning session opened with the announcement of the committee on final resolutions, George A. Rarkham, M. A. Patten and C. W. Johnson. The discussion of the presilent's aldress was openerl by C. W. Ward, who was substituted in W. N. Rudn's place on the committee. Speaking for the committee in reference to the All America flower show, he sald that a sfanfing committee shonld be appointerl, the members roming from different parts of the country, to carry into effect the suggestions of the presifent. making the exhibition of seed-
lings the chief object. These shows should be given in the fall in connection with the regular fall exhihitions.
lt was recommended that the matter of numerous sports, the similarity of which causes much confusion, be left in the hands of the nomenclature committee.

A paper on "Cutting, Packing and Shipping Carnations" was then read by C. L. Washburn with practical demonstrations. E. G. Gillett opened the discussion on the paper hy saying that all the growers knew well enough how and when to cut the blooms for shipment, but they too frequently ignore many essential points in preparing and shipping the stock. He urged all growers to he more careful in the handling and shipping of cut blooms. After a vote of thanks to Mr. Washburn, the report of the judges on miscellaneous exhihits was submitted and the session adjourned.


Vase of Pierson's Variegated Lawson.

## Thursday Afternoon Session.

The Thursday afternoon session convened at 2 o'clock. A paper on "Exhibition Carnations" was read by Fred Lemon, of Richmond, lnd. A lively discussion followed in which Engene Dailledouze, of Flatbush, N. Y., and Richard Witterstacter, of Cincinnati, O., took an active part. The president nominated a committee to arrange for the annual exhibition of seedlings as follows: C. W. Ward, Fred Lemon and R. Witterstaetter. The officers as nominated by the nominating committee at the session Wednesday evening were then unanimously elected as follows: President, Peter Fisher, Ellis, Mass.; vice-president, John Dunlop, Toronto, Ont.; secretary, Albert M. Herr, Lancaster, Pa.; treasurer, Fred Dorner, Jr., LaFayette, Ind.; director, three
years, Wm. Weber, to succeed himself; judge, three years, Wm. Nicholson.

On motion of J. A. Valentine it was decided to send an expression of appreciation to Wm. Scott, of Buffalo, N. Y., for his valuable services in the past as judge of the society. A motion was carried instructing the secretary to draw up proper resolutions on the deaths of Elisha Nye Peirce and Henry Weber, whose loss to the society was great. M. Stuart asked for some recognition of the Purdue Experiment Station, which institution is ahout to be abandoned hecause of lack of funds. He also asked the society's endorsement of the work of that institution.

President Hartshorne's Address.


What little I wish to say to you must be fragmentary owing to my desire to avoid boring you with a long address. We meet today in our fourteenth annual convention. My predecessor has said, did he believe in signs and omens he would be fearful of the success of this, the thirteenth annual meeting. Now 1 would say, were I a believer in them I would be fearful of what was going to happen to me, as I have the honor of being your thirteenth president. But if I may judge from the many old-time faces before me and such a goodly sprinkling of enthusiastic new ones, the welfare of our society and the success of this meeting is not going to suffer on that account. Some of you have come a thousand miles or more to pay homage to-dare l say the queen-well, to many of us the queen of flowers, the carnation.
This society has done a great work since its organization in promoting these exhibits, offering prizes and certificates for new as well as old carnations, thus making our hybridists work harder than ever to keep pace and meet the ideals of our judges. Without this society I am afraid we would still be plodding along in a marking time fashion as we were filteen to twenty years ago. It is just fourteen years ago since the dissemination of the once great carnation, Daybreak, which really marked a new era in carnationdom. While several good varieties made a bid for our favor in the following years, it was nine years before Mr. Fisher gave us the Mrs. Lawson, the next real sensation. After that came Prosperity, a variety that is still in a class by itself on account of its distinctiveness. Then came Enchantress, and now Lady Bountiful and Fiancee. Therefore lt looks to me as if from now on it is reasonable to expect a new wonder about every year. While we cannot all raise a wonder, each individual member of this society can take some share of the credit for what has been done in advancing the carnation in general.

For you support the society and the society enthuses and stimulates the hvbridizer to keep pegging away. That gentleman is now having some valuable help from the sportive tendenries of what were at one time bls spedlings, but now good standard varieties. The Mrs. Iawson, for instance, has given us the White Lawson. There is no question but what this variety,


GENERAL VIEW OF THE AMERICAN CARNATION SOCIETY'S EXHIBITION AT CHICAGO, JANUARY $25-26$.
now thoroughly fixed, will become a valuable standard. It originated in two or three different establishments, and 1 helieve each one of them is conceded to be identical with the other. It was a good thing for the trade when the owners of these several sports got together and agreed on one name for all of them. There are several other sports which I believe identical in every respect with each other now being registered with the society under different names. This should he stopped, as it only causes confusion to the trade in general.

A matter that has been discussed pro and con in our past conventions is one relative to judging seedlings at various seasons and another one regarding the best month in which to hold our annual exhibition, both of which are worthy of our consideration. I wish to offer a few suggestions along these lines. I would like to have this society go on record as favoring an annual, all America, flower show, to be held in November and in a different city each year. I believe the time is ripe for it. Perbaps the Society of American Florists or the World's Fair Flower Show Association could be induced to take the matter up. If there was such an exhibition it would enable us to see the new carnations in the fall as well as at our own grand show later in the season, without any extra expense to the American Carnation Society. We could offer our certificates there, which might be termed fall certificates, and also collect entry fee the same as usual. This in a measure would cover the part relative to judging seedlings at different seasons, and be a great benefit to introducer and buyer alike of a new variety as well as to the trade in general.

And we need not be so particular as to the date for our own exhibition. Here is another suggestion. If a certain grower has a new carnation for
distribution to the trade, give him the chance of receiving our endorsement or otherwise of its commercial value, by applying to our president for a committee of judges or practical growers to visit his establishment and inspect the variety growing, say two or three times during the season. The committee could consist of three good men living in his (the grower's) vicinity. I believe this plan is followed by the New York Florists' Club. It would be just as easy to get the committees for this purpose as it is for the Chrysanthemum Society of America to secure its several committees, to meet every Saturday for two or three months.

One feature of the carnation plant we can congratulate ourselves upon more than any other, I believe, is the healthiness of the acknowledged present day standard varieties. We do not hear so much about stem-rot, hacteria, rust, etc., as we did four or five years ago. The reason for this I lay to the fact that the hybridist has refrained from using for crossing purposes varieties that are subject to those diseases, and again to our semi-indoor mode of culture, early planting, which I recommended in my essay at the Buffalo meeting.

The prices obtainable for carnation blooms the past few years has hardly kept pace with the improvement and the quality of them. When we held our convention in this city seven years ago, fancy carnations were bringing 8 cents at the holidays and occasionally higher prices were heard of. The hest varieties at that time were Jubilee, Mayor Pingree, Mrs. McBurney and Mrs. Geo. M. Bradt. The same prices were realized this season for improved varieties that were better grown, but the years between rarely saw the top figures, and yet the cost of production is much higher. The reason for this state of affairs is no
doubt due to overproduction; but when you take into consideration that there are a million more plants grown in this vicinity alone, producing about fourteen millions a year more blooms for this, the Chicago market, we can hardly be surprised at the non-advancement of the price. Still I doubt if we have much reason to complain, for during that period we have had no panic in the business world and no serious slump in flowerdom, and the prospects of the future 1 think are encouraging. Personally I think we are on the eve of an unusually pros. perous era, and I trust the carnations will reap their share of the benefits.
Since we last met in Chicago, we have been to Philadelphia, Buffalo and Baltimore, each one of these cities approximately a thousand miles from the western carnation belt, making it very difficult for growers in that vicinity to make creditable showings. In the years following the conventions mentioned we went to Indianapolis, Brooklyn, Detroit, and now Chicago. This is as it should be. Now let us go east again, the middle east, or even enter new fields, as I believe great benefits are derived by our society in spreading the knowledge of our work and showing the products of our skill in any city within a reasonable ship. ping distance of a carnation center.
The growth of the carnation's popularity among all classes of people should be very gratifying to us, and still I believe it to be only in its infancy. One thing more than all others that will, I am sure, increase this popularity in the future, is that grand body, the Carnation League of America, with $3,000,000$ members, each wearing a carnation on each January 29th as a tribute to the memory of our beloved President McKinley.

We shall soon hear the report of the judges of the present exhibition. Some of us will be disappointed; others wlll
experience those thrills of joy which victory brings. If you are a new exbibitor and are beaten, do not be discouraged. Take your defeat with good grace, find out if possible the weak points of your exhibit and return home with a determination to overcome them next year.

Before concluding, I beg of you, one and all, to attend the sessions and stay with them until each one is over. Help us to get through with what business we have and make this convention what it ought to be, the greatest yet. After the sessions are over there will be plenty of time to explode your otherwise pent-up enthusiasm. That your Chicago friends will be with you and stay with you to the end, is a foregone conclusion. Now to business.

## Secretary Herr's Report.



Your secretary repor'ts haviug issued the reg. ular printed matter of this society during the past year and mailing the same to all the members of the society.

The attempt was made of issuing the full premium list early in the fall and mailing the same at two different times, once in October and agaiu in January. The idea was to give the advertisers in this list the advantage of a double circulation. The attempt can hardly he called a success, as it was almost impossihle to get advertising and specials together in September. They were received so slowly that it came to be a rush job and an error or two in the copy was the result. These were corrected in the issue sent out in January and a few additions made to the list in the form of a supplement.

We are as yet without a permanent stenographer (that is the same stenographer for every meeting) and until we get one, our reports are bound to be incomplete in some respect. We were fortunate in securing at the last meeting and for this one, stenographers who have had some experience in horticultural matters, but to give us a complete report such as this society should have, requires a stenographer who will be with us year after year, get acquainted with us, know our names, our voices and the meaning of all the terms we use.

There were during the year the usual number of complaints as to mail matter not reaching the members, in several instances four pieces having been sent the same party. In justice to myself I waut to say that all regular matter such as circulars, premium lists, etc., are sent out addressed by a machine that makes it a mechanical impossibility to miss any one.

While we are not by any means in financial straits yet there are so many things the society could do with ample funds back of it, that we should use every endeavor to increase our permanent fund and our membership as well. For the latter 1 would suggest a display advertisement got up with a cut of the front cover of our annual report and inserted in the trade papers the week the report is sent out at a cost not to exceed $\$ 5.00$ for each paper used, and one insertion only. With the papers presented for this meeting our report ought to be a good one and a strong, pictured, good sized advertisement ought to pay well in the increase of our membership.

Any member who has either criticism or new ideas for the advancement of the society can have the same brought before the board of directors


VARIEGATED LAWSON.-FULL SIZE.
(Introducudaby F. T. Pirson Company, Tarrytown, 之. V.)
promptly, by sending them in writing to the secretary, either at this meeting or any time during the year. There is no stop to the development of the carnation, there can be none to this, its patron society, but we need the assistance of every member as well as the board of directors and other officers.

Treasurer Dorner's Report. The report of Treas-
 urer Dorner showed the following facts and figures:

EXPENDITURES.
Vouchers paid. \$ 752.64 Balance cash on hand .... 413.13

Total ..... \$1165.77 RECEIPTS.
Balance, Feb. 20, 1904........ 253.36 Cash from member-

|  | . . . . . . . . . . . . . . $\$ 556.00$ |  |  |
| :---: | :---: | :---: | :---: |
| Cash | from | interest. | 78.16 |
| " | " r | registering | 14.00 |
| " |  | advertising | 186.25 |
| " | " 1 | late entries. | 2.00 |
| " |  | certificates of |  |

merit. ................
50.00

Cash from special pre-
miums
$26.00 \$ 912.41$
Total
.$\$ 1165.77$
PERMANENT FUND.
Balance Feb. 20, 1904.
$\$ 1910.21$
Boston and Scott ferns.
Cash, Chicago Carnation
Company
y........... $\$ 50.00$
Balance, C. W. Ward. . . $36.00 \$ 86.00$

## Total

$\qquad$ . . . . . . . . $\$ 1996.21$

## Report of Nomenclature Committee.

There were registered during the year the following carnations:
W. L. Lewis, Marlboro, Mass., Mrs. W. L. Lewis.

Baur \& Smith, Indianapolis, Ind., Flambeau and Beatrice.
W. B. Arnold, Rockland, Mass., Variegated Lawson.
F. A. Blake, Rochdale, Mass., Harvard Crimson.
H. Weber \& Sons, Oakland, Md., My Maryland.
L. E. Marquisee, Syracuse, N. Y., White Enchantress.
F. R. Thornton, Streator, Ill., Melody.

Guttman \& Weber, New York, N. Y., Victory.
lndianapolis Flower \& Plant Co., Indianapolis, Ind., Coral, Allspice and Candace.
W. A. Harkett, Dubuque, Iowa, Maid of Honor.

Robert C. Pye, Nyack, N. Y., Senator Crane.
D. C. Noble, Columbia City, Ind., Uncle Peter.

There has been some complaint about the name Senator Crane from the members of this committee, lest it be confounded with the variety $G . H$. Crane. The secretary took this matter up with Mr. Pye and he replied that it was named because the flower was associated with the Crane family and that hy the time it was likely to be introduced the older variety, Crane, would no longer be grown. He refused, therefore, to change the name.

The variety, Uacle Peter, is similar
in description to Melody, and we hope at this show to have the two varieties together for comparison, Meiody having priority of registration.

Lawson pink.-Emil Buettner first, with Mrs. T. W. Lawson; Poehlmann Brothers Company second, with Mrs. T. W. Lawson.

E. G. HILL COMPANY'S LADY BOUNTIFUL, AT CHICAGO CONVENTION. (First prize 100 white.)

## Report of the Judges.

The following is a complete list of the awards:

CLASS A-ONE HUNDRED BLOOMS.
White.-E. G. Hill Company, Richmond, Ind., first, with Lady Bountiful; W. J. \& M. S. Vesey, Fort Wayne, Ind., second, with Lady Bountiful.

Daybreak pink.-Chicago Carnation Company, Joliet, Ill., first, with Enchantress; The E. G. Hill Company second, with Enchantress.

Lawson pink-Chicago Carnation Company first, with Mrs. T. W. Lawson; Emil Buettner, Park Ridge, 1ll., second, with Mrs. T. W. Lawson.

Scott pink. - Chicago Carnation Company first, with Fiancee; no second.

Scarlet.-Chicago Carnation Company first, with Cardinal; J. D. Thompson Carnation Company, Joliet, lll. second, with Robert Craig.

Crimson.-Chicago Carnation Company first, with Harlowarden; Cottage Gardens, Queens, N. Y., second, with The President.

Yellow variegated.-Chicago Carnation Company first, with Dorothy Whitney; no second.

White variegated.-J. D. Thompson Carnation Company first. with Mrs. M. A. Patten; W. J. \& M. S. Vesey, second, with Glendale

Any other color.-Poehlmann Bros. Company, Chicago, first, with Prosperity; no second.

CLASS B-FIFTY BLOOMS.
White.-Emil Buettner first, with Gov. Wolcott; E. G. Hill Company second, with Lady Bountiful

Daybreak pink.-E. G. Hill Company first, with Enchantress; Clicago Carnation Company second, with Enchantress.
scott pink.-J. D. Thompson Carnation Company first, with Mrs. E. A. Nelson: H. Weber \& Sons, Oakland, Md., second, with Lord.

Scarlet.-J. D. Thompson Carnation Company first, with Estelle; no second.

Crimson.-Cottage Gardens first, with The President; same second, with Octoroon.

Yellow variegated.-Chicago Carnation Company first, with Dorothy Whitney; F. Dorner \& Sons Company,

Lafayette, Ind., second, with Dorothy Whitney.

White variegated.-Chicago Carnation Company first, with Mrs. M. A. Patten: E. G. Hill Company second, with Mrs. M. A. Patten.

Any other color.-Chicago Carnation Company first, with Prosperity: second divided between Poehlmann Brothers Company and W. J. \& M. S. Vespy, with Prosperity.
C. LASS C-TWENTY-FIVE BLOOMS.

White.-Emil Buettner first, with Gov. Wolcott; J. D. Thompson Carnation Company second, with Gov. Wolcott.

Daybreak pink. - Emil Buettner first, with Morning Glory; Chicago Carnation Company second, with Fair Maid.

Lawson pink.-Email Buettner first and second. with Mrs. T. W. Lawson.

Scott pink.-J. D. Thompson Carnation Company first, with Mrs. E. A. Nelson: H. Weber \& Sons second, with Genevieve Lord.

Scarlet.-H. Weber \& Sons first, with Estelle; J. D. Thompson Carnation Company second, with Estelle.

Yellow variegated.-Chicago Carnation Company first, with Dorothy Whitney.

Any other color.-Guttman \& Weber, Lynbrook, N. Y., first, with Prosperity; W. J. \& M. S. Vesey second, with Prosperity.
special premiums-class d.
Wm. Scott's prize for fifty blooms scarlet, E. G. Hill Company first, with Cardinal; Guttman \& Weber second, with Victory.

## CLASS E.

E. G. Gillett's prize for best fifty blooms, no first; E. G. Hill Company second, with Cardinal.

## class g.

H. Weber \& Son's prize, E. G. Hill Company first. with Gov. Lowndes; same, Guttman \& Weber first, with Genevieve Lord.

Class H.
Best fifty blooms Crusader.-John

C. W. WARD'S SEEDLINGS, AT CHICAGO CONVENTION

Breitmeyer's Sons, Detroit, Mich., Report of Judges on Miscellaneous first.

Class m.
Best fifty blooms Indianapolis.Emil Buettner.
class n.
J. C. Moninger Company's prize for

Exhibits.
F. R. Pierson Company, Tarrytown fern, very fine.

Wahan Rose Conservatories, pink rose, Wellesey, very fine.
J. M. Gasser Floral Company, red


CARNATION MY MARYLAND AT CHICAGO CONVENTION.
(Vase of Rolert ('ritig secoud whibit from left.)
best fifty crimson, first and second divided between Chicago Carnation Company and Poehlmann Brothers' Company; same, best fifty yellow.

$$
\text { CLASS } 0 .
$$

Foley Manufacturing Company's cup for best 100 hlooms arranged for effect, Jos. M. Smely, Aurora, 1ll, half the prize.
sweepstakes.
Best vase in class A, Chicago Carnation Company first, with Fiancee.

Best vase in class B, E. G. Hill Company first, with Enchantress.
certificates.
Preliminary certificate.-C. W. Ward for the following seedlings: No. 569, 93 points; 234,86 points; 211, 91 points; Alma Ward, 88 points; 2528, 85 points; 2653,86 points.
E. G. Hill Company, seedling No. 12, 85 points.
S. J. Goddard, Framingham, Mass., Helen Goddard, 85 points.
special meidals.
The Lawson medal for the best vase of 100 hlooms, any variety, any color, Chicago Carnation Company, for Fiancee.

Silver medal for the best fifty undisseminated blooms, C. W. Ward, for Robert Craig.

Bronze medal for second best vase of fifty blooms, H. Weber \& Sons, for My Maryland.
S. A. F. silver medal, J. D. Thompson Carnation Company, for Robert Craig
S. A. F. bronze medal, H. Weber \& Sons, for My Maryland.

Vaughan's cup for best fifty undisseminated blooms, any color, H. W. Bucklee, for seerlling No. 38.
A. Djetsch \& Co.'s prize for best fifty undisseminated from Illinois, J. D. Thompson C'arnation Company, for Robert Craig.
rose, Gen. MacArthur, a very fragrant, pretty flower.
Indianapolis Flower and Plant Company, and John Hartje, Candace, a very pretty pink; Coral, promising daybreak pink; Allspice, variegated, very good.

Swan Peterson Floral Company, white seedling, nice commercial white; The Belle and display of other varieties.

Jolnn Breitmeyer's Sons, Rose La

Detroit, fine hlooms; fine display of snap dragon.

Eli Cross, good display of violets, single and double.

Robt. Klagge, interesting display of seedling carnations.
B. K. \& B. Floral Company, display Richmond Gem carnation.
J. H. Peterson, Begonia Turnford Hall, very interesting.
E. G. Hill Company, new rose, Richmond, a magnificent rose, beautifully staged; Rosalind Our English, a fine pink rose.

Nathan Smith \& Son, Chrysanthemum John Burton, remarkably good and late.
R. Witterstaetter, a fine exhibit too late for competition.
F. Dorner \& Sons, a striking vase of many unnamed seedlings.
F. R. Pierson Company, good display of White Lawson and an exhibit of 100 hlooms of nice Variegated Lawson.

Cottage Gardens Company, large display of Ethel Ward and many unnamed seedlings.
W. J. Palmer \& Son, fine exhibit of Red Lawson.

## Jottings.

A large numher of convention visitors made a flying trip to Joliet Friday morning to visit the establishments of the Chicago Carnation Company and the J. D. Thompson Carnation Company.

The visiting ladies were informally entertained at dinuer in the Auditorium annex Thursday afternoon, followed by a delightful theater party at Studehaker's theater. Palmer's Red Lawson carnations were used in the table decorations.

## The Banquet.

The beautifully decorated banquet hall on the sixth floor of the Auds-


CARNATION WHITE LAWSON.-FULL SIZE.
torium hotel was the scene of the closing event of the convention Thursday evening. Completeness in all particulars marked the efforts of the local committee to dispense to the 200 visitors present the well known hospitality of the Chicago florists. At the close of the enjoyable feast W. N. Rudd introduced President-elect Peter Fisher, who was greeted with loud applause. He spoke encouragingly of the great possibilities of the society and urged all to pull together to attain the great results he hoped and predicted for the next convention at Boston.
The responses to toasts were: E. G. Hill, "Frenzied Finance;" J. C. Vaughan, "Conventions and Flower Shows;" E. C. Miller, of Bracondale, Canada, "The Good Old Times;" C. W. Ward, "What About the Future?" Brief addresses were also made by James Hartshorne, F. R. Pierson, Lewis Ullrich, F. Dorner, Jr., and Phil Hauswirth and a song by W. J. Lawrence. Before the close of the festivities Mr. Rudd made a formal presentation of the medal awards: Chicago Carnation Co., Lawson medal; C. W. Ward, sllver medal; H. Weber \& Sons, bronze medal.

George A. Rackham then read final resolutions, as follows:

Your committee on final resolutions hegs to report: that it feels itself entirely unable to express its appreciation of the unbounded hospitality, unvarying courtesy and kindness of the Chicago Florists" Club towards the members of the American Carnation Society, therefore,

Resolved, that the thanks of this society be extended to the Chicago Florists' Club and to Phil Hauswirth to whom much credit is due for the success of the splendid exbibition of the divine flower and to the committee of arrangements, J. C. Vaughan, Leonard Kill and P. J. Hauswirth. Geo. A. Rackham. C. W. Johnson
M. A. Patten.

## The Visitors.

Among those in attendance at the convention we noted the following:
H. M. Altick, Dayton, O.

Henry Baer, Peoria, Ill.
Geo. Bartholomew, Dayton, 0 .
Guy Bate, East Cleveland, 0.
A. F. J. Bauer, Indianapolis, Ind.

Prof. A. C. Beal, Urhana, 111.
Ed. Bertermann, Indianapolis, Ind. John Bertermann, Indianapolis, Ind.
Peter Beuerlein, Elmhurst, N. Y.
G. Boehringer, Bay City, Mich.

Fred Breitmeyer, Detroit, Mich.
H. W. Buckbee, Rockford, Ill.
H. Bunyard, New York.

Fred Burki, Allegheny, Pa.
F. G. Butz, New Castle, Pa.
W. A. Clark, Pittsburg. Pa

Jas. Clelland, Grove City, Pa.
L. B. Coddington, Murray Hill, N. Y.

Mrs. L. E. Cohn, Manistee, Mich.
Walter Coles, Kokomo, Ind.
E. H. Cushman, Sylvania, O

Arthur H. Dew, Albion, Mich.
Wm. Dilger, Detroit.
Fred E. Dorner, Lafayette, Ind. Theo. Dorner, Lafayette, Ind. C. P. Dudley, Parkershurg, W. Va J. H. Dunlop, Toronto, Ont., Can. J. A. Evans, Richmond, Ind.

Peter Fisher, Ellis, Mass.
E. A. Foster, Cincinnati, 0.


CARNATION WHITE LAWSON.
(Introduced by F. R. Pierson Company, Tarrytown, N. Y.)
J. R. Fotheringham, Tarrytown, N. Y.

Frank Friedler, Joliet, 111.
N. H. Gano, Martinsville, Ind.
E. TV. Garland, Washington, Pa.
J. M. Gasser, Cleveland, O.
E. G. Gillett, Cincinnati, O.
I. Gingrich, South Bend, Ind
H. W. F. Goetz, Saginaw, Mich.
C. Gullett, Lincoln, Ill.
A. J. Guttman, New York
E. W. Guy, Belleville, Ill.

Carl Hagenburger, West Mentor, O I. E. Haines, Bethlehem, Pa. A. Halstead, Belleville, Ill. Frank Holznagle, Detroit, Mich. .las. Hartshorne, Joliet. Ill H. A. Hart, Cleveland, O. Iohn Hartje, Indianapolis, Ind.
F. G. Hasselman, Indianapolis, Ind J. A. E. Haugh, Anderson, lnd.
R. B. Hayes, Shelby, 0 .

Clas. F. Heite, Kansas City, Mo. Wm. Hielscher, Detroit, Mich
W. C. Hill, Streator, Ill.

Chas. Hoffman, DeHaven, Pa.
Fred Huckriede. Indianapolis, Ind
F. G. Hunt, Park Ridge, Ill.
A. Jabionsky. Wellston, Mo.
C. W. Johnson, Rockford, Ill
T. C. Joy, Nashville, Tenn. H. Junge, Indianapolis.

Wm. F. Kasting, Buffalo, N. Y.
Geo. M. Kellogg, Pleasant Hill, Mo. Mr. Keiffaber, Dayton, 0. R. O. King, North Tonawanda, N. Y. Chas. Knopf, Richmond, Ind. F. J. Knecht, Fort Wayne, Ind. Otto G. Koenig, St. Louis, Mo. W. L. Kring, Fairbury, Ill. E. N. Kroninger, Allentown, Pa. H. J. Krueger, Meadville, Pa. Geo. A. Kuhl, Pekin, I1]. L. L. Lamborn, Alliance, 0 W. J. Lawrence, Eglinton, Can. Fred H. Lemon, Richmond, Ind Chris. Lund, Warsaw. Wis. G. W. Mattson, Chester Heights Pa.
M. McConnell. Sharon, Pa. Fred Meinliardt. St. Louis. Mo. Felix Mensze, Glencoe, N. Y. W. C. Merkel, West Mentor, O John Murchie, Sharon, Pa. Saml. Murray, Kansas City, Mo. C. E. Neale, Worcester, Mass J. Newby, Logansport, Ind. W'm. Nicholson. Framingham, Mass D. C. Noble, Columbia City, Ind. M. A. Patten, Tewksbury. Mass.
S. S. Penuock, PhiladeIphia, Pa.
A. Peterson, Paxton, 111.
J. Peterson, Cincinnati, O.

Swan Peterson, Gibson City, Ill.
C. A. Pierce, Waltham, Mass.
F. R. Pierson, Tarrytown, N. Y.
C. C. Pollworth, Milwaukee, Wis

Geo. A. Rackham, Detroit, Mich. John Reimels, Woodhaven, L. I. J. C. Rennison, Sioux City, Ia. J. Rolker, New York. Chas. A. Schmitt, Cleveland, O Jacob Schulz, Louisville, Ky. J. A. Shaw, New York.

V'm. Sims, Cliftondale, Mass.
H. R. Singler, Morgan Park, Ill. S. S. Skidelsky, Philadelphia, Pa. Jos. M. Smely, Aurora, Ill. Henry Smith, Grand Rapids, Mich. H. C. Smith, Piqua, O.
J. Steidele, Central, Mo.
O. A. Stoll, Oxford, Pa.
E. A. Stroud, Strafford, Pa.
T. B. Stroup, New Philadelphia, O. J. S. Stuart, Anderson, Ind.
L. J. Stuppy, St. Joseph, Mo.
J. F. Sullivan, Detroit, Mich. Albert Sunderbruch, Cincinnati, 0 . Wm. Swayne, Kennett Square, Pa. G. H. Taepke, Detroit, Mich
J. D. Thompson, Joliet, 111.

Herman Ullrich, Tiffin, O.

Lewis Ullrich, Tiffin, o.
J. A. Valentine, Denver, Col.

Jno. R. Van Bochove, Kalamazoo, Mich.

Mrs. W. J. Vesey, Ft. Wayne, Ind. John Walker, Youngstown, $O$.
Clias. W. Ward, Queens, N. Y.
Geo. H. Warrick, Washington, Pa. Fred C. Weber, St. Louis, Mo.
Wm. Weber, Oakland, Md.
J. F. Wilcox, Council Bluffs, Ia.
F. R. Williams, Cleveland, O.
R. Witterstaetter, Cincinnati, 0 . J. L. Wyland, De Haven, Pa.
N. Zweifel, Milwaukee, Wis.

## Carnation Diseases.

By frof. h. hasselbring, university of chicalio.
With the extended cultivation and amelioration of the carnation new diseases and disorders have made their appearance. Are these troubles the result of cultivation? Has the continued higb culture predisposed the plants to certain forms of disease? What are the diseases that threaten
the carnation to-day and how can they be prevented?

These are questions of ever increasing importance to the florist. Their importance will increase with every extension of the cultivation of the carnation. In no other branch of borticulture is the investment and risk so great as in floriculture. No other branch of agriculture and all the related pursuits expends so large a proportion of the returns for labor. A failure means a corresponding loss. Every factor that is likely to cause failure should be thoroughly understood.

The whole question has received far from sufficient attention. Our experiment stations while they have vastly furthered the interest of other branches of agriculture and horticulture, have left the whole field of florists' problems almost untouched. In this state (Illiuois) containing the largest greenhouse industry in the world our experiment station cannot legally take up any question relating to the culture of plants under glass. The florist must stand on his own feet.
In the absence of sufficient experimental investigation it will he possible to touch only the main features of the question of diseases, and point out the possible future of the carnation in relation to them.

In the main the troubles with which the florist has to deal may be classed under three categories, insect enemies, physiological disorders, and fungous diseases. Fortunately the carnation has but few insect enemies and these are so well understood that I will not take up the time to speak of them. The others are not so well understood.

Physiological diseases result from the disturbances of the functions of a plant from any cause whatever. Less than three-quarters of a century ago it was the common view that all cultivated plants must be regarded as diseased because they were not growing under natural conditions. Therefore their functions must be disturbed. We no longer follow this mode of thinking. There is no reason to believe that plants are weakened or impaired in vitality by continued cultivation. It is true that we cannot define what we mean by "vitality" in a plant, but if its vitality was impaired by continuous cultivation we should finally expect it to die. This has not been our experience. Wheat has been in cultivation for thousands of years and the plants are more vigorous and give greater yields today than one thousand years ago. You will perhaps mention the "running out" of varieties. I do not think varieties have run out. They have been superseded by better ones and by comparison the older variety has appeared to "run out." We have no record but our judgment to show that any variety has "run out." It is true, certainly, that all plants vary under cultivation and the same seed pod may give some offspring of a weak and some of a vigorous hablt but this is incident to cultivation and not caused thereby. The cause lles in the unknown factors governing the variation of plants.

As physiological troubles we may mention the "sleeping" of flowers and bursting of the calyx. The cause of


CARNATION DAHEIM FULL SIZE.
these troubles rests to a great extent in the nature of the variety, but to some extent also in outer conditions. The very fact that the calyx of certain varieties bursts with some growers but not with others shows that this trouble is greatly influenced by outer conditions and can be solved by experimentation. As yet, as I have said, these subjects have never been scientifically investigated. It is to be hoped that some time these questions will receive their proper share of attention by our experiment stations. In considering fungous diseases we must keep in mind distinctly one thing. These diseases are caused by distinct parasitic organisms. A fungus is an individual organism just as much as the carnation plant is. It has a vegetation period and finally pro. duces spores which again reproduce the same fungus. Its whole development can he followed with the same certainty with which the development of any plant can be followed from seed to maturity. Parasitic fungi live in the tissues of other plants spreading in the same manner as roots in the soil. In this way fungi produce diseases by destroying the tissues of the plants upon which they feed.

Diseases of this nature are often attributed to some sort of unfavorable couditions such as lack of ventilation, too much water, deep planting and the like. This is an error. While certain conditions favor the growth of fungi and thus cause disease to appear more ahundantly it is nevertheless true that such diseases would not appear if the fungi were absent. The fungi are in every instance the prime cause of disease-not the conditions.

There are at the present time but two fungous diseases of the carnation which we need to discuss-the rust and the stem-rot.

The rust was a prevalent disease about two years ago. At that time it was feared as the worst enemy of the rarnation as its frequent discussion in the horticultural literature of that time indicates. At the present time the subject has almost dropped out of
existence. It still appears spasmodically here and there on some varieties, but it is no longer the dreaded enemy of the carnation. We will come bark to the causes of this again.
The stem rot is a far more serious disease and one which will be difficult to control. It is caused by a fungus of the genus fusarium. While the name of the fungus may not carry with it any special significance we shall see presently that this is one of a great group of fungi which have received considerable attention of late and that the study of this group has been the chief means of developing a new method of controlling diseases. These fungi are the causes of the now well known wilt diseases of many plants. The wilt diseases of the cotton, cowpea, watermelon, flax and aster are caused hy species of fusarium. These diseases lave been carefully investigated and from the knowledge gained from them we can fill out. tentatively at least, such points as are still unknown in the life of the carnation fusarium.

The stem rot which is not primarily a rotting of the stem, hut a wilt disease first manifests itself by the wilt ing of the leaves of some shoots. Very often only the leaves on one side of a shoot wilt and in nearly all cases only a part of the plant is affected. This is more especially true during the early stages of the disease. It will frequently he found that the hranches on one side of the plant are affected and sometimes only those arising low down on the main stem. The disdie and turn to a pale color without ease always progresses upward. The leaves on the affected branches soon dropping. The upper leaves on these branches may be wiIted but still grow until the whole branch finally dies.


SEEDLING MIKADO-FULL SIZE.
(Exhibited by Patten A ('ompany, 'Pewksbury, Mass.)


BLOOM OF CARNATION ROBERT CRAIG.
(Full size, four inches in diameter.)

The calyx lobes on flower stems usually turn yellow at the tips before the upper leaves begin to die.

The root systems of these plants appear healthy externally with the exception of one or two roots. These are completely decayed so that only a remnant of them is left. Yet if the diseased plants are carefully examined after the roots have been washed these decayed roots can always be found. Here is evidence that the fungus has entered the plant from the soil through the roots.

The cause of the fungus in the plant and the reason for the peculiar damage it causes can be easily seen by cutting microscopical sections at different points in the diseased stem and branches. The fungus grows from the infested roots into the water conducting channels of the stem and branches. When the disease is severe these can he seen to be literally plugged up with a mass of the mycelium of the fungus. It is thus impossible for the plant to obtain sufficient water and wilting and death are the results. Sometimes the fungus invades only the ducts on one side of the stem and thus the leaves and branches on this side will wilt. Later when the plant is dying the other tissues are also invaded, first the pith and then the cortex. The fungus produces innumerahle spores on the dead stems and on the lower portions of the leaves.

So much for the effect of the fungus on the carnation plant. Questions of more practical importance are: How does this disease get into the carnation beds, and how can it be prevented?

The fusariums are a group of soil fungi. They are found nearly everywhere in decaying organic matter in the soil. I have been unable to collect evidenee showing that the stem rot reappears in the same soil year after
year, this being due to the fact that carnation growers change their soil annually. We know, however, that the plants are attacked from the soil and this, in connection with the fact that the fusariums are found almost everywhere and can grow freely on dead matter in the soil, leaves scarcely any room for doubt that the soil is the source of infection. lt has been defi-
nitely shown that the wilt fungi of the cotton, watermelon, cowpea and flax remain indefinitely in soils once infected. In fact it has heen found impossible to eradicate them. The same is probably true of the carnation wilt or stem rot.
The most important question is, how to prevent the disease. Since it remains in the soil it is beyond the reach of the usual fungicides. lt attacks the plants beneath the soil so that direct preventive measures are practically excluded. What hope have we then of ever controlling the disease? I think the solution of the question will come from a study of varieties. lf we look over the different varieties now generally cultivated we find that some are badly affected, others less, and some seem not to suffer from the disease at all. It is somewhat difficult to collect exact data on this but it seems to be everywhere conceded that such varieties as Crane, Morning Glory and Flora Hill are most subject to the disease, many growers having thrown these varieties out entirely. Flamingo and Apollo and White Cloud seem to suffer as much as those just mentioned. On the other hand many varieties seem to be free from the disease. These are especially the strong growing varieties such as Harlowarden, Enchantress, those of the Lawson type and Lady Bountiful. 1 have seen America planted where Crane died of stem rot. yet the former variety was not affected. Some varieties seem to outgrow the disease even when affected. This seems to be true of Bradt and Lord. These observations are as yet of limited extent but they point to one conclusion.

Some varieties of carnations are immune from stem rot. The problem for the future will be the production and selection of immune varieties. It should be the aim of the originator to


VASE OF CARNATION ROBERT CRAIG.-(C. W. Ward.)
produce resistant varieties and only such varieties should be put upon the market. This plan is not impossiole for it has been successfully followed in the case of cotton. Through the work of the department of agriculture several varieties of cotton have been produced which are resistant to the wilt. These can be planted in

As soon as the growers began to improve their stock and their system of handling the flowers, there was an immense increase in the demand for the goods. This vast increase has taken place mostly in the last six or seven years, and every year has shown a larger amount of carnations planted and handled than the previous year.


CARNATION JOHN E. HAINES
(Ac John E. IIaines', Bethlehem, Pia)
infected fields, where other varieties have been exterminated, without being attacked by the disease. I am convinced that we have a similar example in the carnation rust. Almost imperceptibly the discussion of this disease has dropped from horticultural literature. Why? lf we examine the older catalogues we find many varieties advertised as "rust proof." These may or may not have proved as represented, but the fact shows the tendency of the time to produce rust proof carnations. Only the varieties that actually proved rust proof finally were extensively cultivated and today the rust has practically disappeared from our greenhouses. I have no doubt that we will have a similar experience with the carnation stem rot. We have already indications of the lines to follow and experience has shown that they can be followed successfully.

Cutting, Packing and Shipping Carnations.
for long and short distance shipments.


The development of the shipping business has been the cause of the remarkable increase in the growing of carnations in this market Ten years ago a very few of the blooms then being grown would do to ship, while the quantity grown was not over ten or twenty per cent. of the present output. The demand from outside points was very heavy, and the problem to solve was how to ship the carnations so they would arrive in good condition. This brought a close study of the methods of handling the flowers and also the constant trial of new varieties.

It is now almost impossible to get the exact amount of carnation blooms received each season, but a conserva tive opinion would place the number at about filty thousand blooms per day during October and November, and then a gradual increase to one hundred thousand per day by midwinter, and continued at this rate to the end of the season. At least seventy-five or eighty per cent of this amount is shipped away from the city, and in the ability to deliver these flowers at their destination in first-class condition lies the successful conduct of the business.

The manner of handing these blooms as adopted by most of the larger growers is as follows: The cutting of the flowers must be attended to with considerable judgment as regards the weather. If the weather is very cold] the bloom should be allowed to open a little more than usual, as if cut too close in very cold weather they soon
go to sleep. Again, if there is a warm wave with lots of moisture in the atmosphere, the flowers will be soft, and must be cut pretty close; also, during these warm spelis the flowers should be kept in a little cooler temperature than usual to make the blooms as firm as possible. Atter the flowers are cut and tied in'bunches of twentyfive each, they should be placed in water as soon as possible. This is best accomplished by having pails of fresh water standing handy to the benches, so that as soon as a bunch is tied up it can be placed in the water at once. This is very necessary, as it helps prolong the life of the flower. If the blooms are left out of water until the cutting is all finished, a number of them will have wilted a little and the sap in the stem harden up to such an extent that the flower will not suck up water freely.

After the cutting and bunching is finished the blooms should be placed in water in a closet or room where the temperature remains steady at about $45^{\circ}$, and where no drafts of air will strike them. When packing to send them to the commission man or wholesale store, use a few sheets of newspaper hetween each layer of bunches, and keep the ends of the stems from touching any of the blooms. Two layers of bunches are enough to put in any package, as too many heads get hroken when packed in too solid. The wholesale or commission house should put the flowers in water as soon as received.

Now for short distances. Where the blooms can be shipped on trains that will arrive early enough for delivery that same day, the stock sent is usually that cut the night before; but for flowers that will have to remain packed in the boxes over night, and for all long distance shipments, the stock taken is always cut in the morning, and after standing in water irom three to six hours is sent in to the market and shipped away the same day. The old idea that a carnation keeps best if allowed to stand in water twelve to twenty-four hours before sending into market has been disproved by actual experience, and of the carnation blooms received by the wholesale growers, at least two-thirds the stock is cut in the morning and shipped in to their wholesale stores in the early afternoon. to send awar the same day.


CARNATION IMPERIAL.
(At John F. Haines'. Bethlebem, E'a.)

These blooms will arrive in better shape and last longer every time than if cut the day before. After carnations have been kept eighteen or twenty hours in water they seem to get kind of soggy and do not ship well.

The hoxes used for shipping carnations are made of thin wood, half-inch ends and quarter-inch tops, bottoms and sides, with two balf-inch cleats to fasten the stems down and hold the ice securely. These boxes are usually twelve inches wide and four to eight inches deep, and thirty-six to forty-six inches long. The boxes may appear too long at first, but they are better too long than too short. Line the hoxes first with four to eight thicknesses of newspapers, depending on the weather. Then a single thickness of soft wax paper all around. Commence and put in a row of carnations, usually about six flowers to a row, and between each row of heads place a strip of wax paper ahout three lnches wide and as long as the box is wide; about four rows of flowers in each end will constitute a layer, and hetween each layer place a sheet of wax paper the width of the box and long enough to cover all the heads in that layer; keep on until the box is completed.

It will he found that with the extra long stems now heing grown that four or five rows in each end of the box will he all that can be put in a layer, as by that time the stems will he within six inches of the opposite row of flower heads. The number of layers of flowers should not go over four to six, which will allow of from two bundred to three hundred carnations in one box. In the center of the box where the stems meet there should be placed at least eight or ten thicknesses of well saturated newspapers. These newspapers should be kept in a pail of water so that they will have absorbed all the water they possibly can hefore being placed on the stems. After putting this wet paper on the stems, place the two cleats on and fasten them down securely with nails. Be careful in placing the cleats to put them only on the double rows of stems and not beyond, and also see there is plenty of wet newspapers under them so there will he no danger of breaking the stems hy pushing the cleats too far down.

The subject of icing a box is a debatable point, but for long distance shipments our experience is that a small piece of ice well wrapped with newspaper helps to preserve the flowers from heat; and also keep the newspapers over the stems moist. For varieties that have brittle stems, like Lawson, care must be taken not to fasten the cleats down too tight, or too near the neck of the flower, or the stems will be broken in handling the package. It is also well to put a few sheets of tissue paper well crumpled up between the cleats and the flower hearls. This will absorb any damp, rold air from the jce, and will also serve as a cushion to protect the flowprs from shaking up and down in the box by rough handling.

In order to dispose of our product to advantage, it is absolutely necessary to continue to improve our methods of handling carnations intended for shipment. They must be grown stronger, more air given, and great care taken in feeding. The effect of the warm
spring rains must be overcome in some way, as during such periods it is almost impossible to ship carnations any distance and not have them arrive fast asleep.

All the little details of cutting, placing in water and shipping, should be attended to with the greatest fidelity, and as we improve our methods of handling and our varieties of stock, so shall we increase our volume of business. The advisability of devoting a certain amount of glass to growing plants for spring and early summer blooming is a point that should be considered. There are some varieties that are at their best during these periods, and there is no doubt that carnations always ship best when in full crop. If the creators of new varieties would give more attention to the keeping and shipping qualities of their new flowers instead of trying to increase the size so much, they would be worling along lines that are susceptible of considerable improvement. No matter how large a flower, or how fragrant or brilliantly colored it is, if it will not keep well and ship well it cannot be grown extensively.

The immense number of railroads centering here and reaching out in every direction, with frequent trains and quick express service, gives us a field to be supplied that reaches as far east as New York state, Pennsylvania, and south to Florida, New Orleans, Galveston and various Texas points, while west we can reach all Colorado towns and some points in Montana, and then on north to Winnipeg. This tast scope of country makes Chicago the central flower market of the United States, and has built up the immense greenhouse business of this vicinity.

## Exhibition Carnations.

biffed a. lemon. richmond, ind
In approaching the
 subject of "Exbibition Carnations," the inclination is to seek a definition for the term. What are exhihition carnations, and who are the growers of exhihition carnations?

When we speak of exhibition chrysanthemums, there immediately arises up before us a vision of immense reflexing or incurving Japanese blooms of various shades of color, some light, some dark, some gaudy, some dull, all beautiful, but scarcely any practicable for the purely commercial grower. We find these in the hands of a special class of growers: First, the large growers, importers and introducers of new chrysanthemums, whose aim in exhibiting the marvelous creations of the hybridjzer is to arouse the interest of prospective buyers. Second, the gardener, that true horticultural enthusiast, whose time and skill is devoted to perfecting the magnificent blooms, mainly to satisfy a love of the beautiful in nature. When we turn to the carnation, however, and examine the exhibition and the exhibitor, we find a magnificently large collection of the very same varieties which are daily seen by thousands in the wholesale houses of the country, flowers a little better than the best in the market. perhaps, because more carefully handled, and exhibited by the very men whose vast ranges sup-
ply the markets. Thus is the carnation distinctively the business man's flower and an exhibition of carnations a most practical demonstration of what can be accomplished by care and attention in growing flowers for the market.

A consideration, therefore, of the subject now hefore us, must of necessity encroach to a certain extent upon the daily task of cutting, packing, and shipping carnations, because the very methods which result in putting flowers into the market in the hest possible condition must form a foundation for our plans and methods of putting our blooms into the exhibition hall in perfect condition.

Granted, then, that we have flowers which we think are good enough to exhibit-and we might say right here that they must be rather good in this day and age-the first question is the selection of blooms and time and method of cutting. Just here a study of the scale of points for judging will be of great benefit. This shows us that color must be the first consideration, with stem and size counted equally for second place. Great care should be used to obtain a very evenlycolored lot of blooms even at the expense of other points. With this end in view, it is best, when possible, to cut all the flowers for one class about the same time, for there will surely be variations in color if some of the blooms have been kept in water sixty hours, and some only six hours.

Use a sharp knife to cut the blooms, and take every inch of stem you can get without going into the hard wood. The proper condition of a bloom to he cut for exhibition, depends largely upon the variety, hut may he generally stated as just before that bloom reaches a state of perfection. Here is where the judgment of the operator is put to the test, here the point where many prizes are lost. Such a variety as Enchantress, for instance, is in perfection when the flower is young, and failure greets the man who allows his Enchantress to develop too fully before cutting, while that erstwhile grand variety Flora Hill only reached a state of perfection for exhibition after having stood upon the plants for many days and heing allowed to develop vely fully before cutting.

Between these two extremes are many gradations, and as before stated, must call upon the best judgment and broadest experience at command. In cutting for exhibition, cut each class complete and keep that class to itself from this time until it is staged, only changing blooms to strengthen the class you are most desirous of winning. Blooms should not lie out of water long after cutting, and it is a good plan to make a fresh cut on the stems after you reach the storing room and hefore putting them into water.

Much has been written on the subject of a storing room for blooms, hut $l$ believe that any room or cellar whlch meets the following requirements will be satisfactory: The air must be kept pure and sweet, and moderately dry, thongh a little continuously evaporating moisture is not injurious. It must not he totally dark. The temper ature must be kept a few degrees lower than the night temperature of your greenhouse. In such a place the flowers should stand at least six hours and
may stand several days before packlig. When kept more than twentyfour hours, the water should be freshened and the stems recut every morning.

In handling blooms at all stagesespecially with varieties of intense color, such as Adonis-great care should be exercised to avoid bruising. This is a matter of great importance, as varieties of high color are especially easily bruised immediately after cutting, and if blooms are laid down on a rough board or cement bench, or carelessly knocked together while carrying from the house to the cooling room, they will surely show the effect later, and on the observance of these minor points often hangs success.

All flowers which have an inclination to droop or hang their heads in the slightest degree, should be supported in a rigidly upright position. There are several methods of accomplishing this end. A wire ring like an ordinary carnation support may be attached to the jar in such a manner that it will act as a support for the blooms, and some people go to the trouble of tying a wire to each stem. Whatever method is used, they must be supported from the very time they are cut, for the first two or three hours in water is the time when most of the stiffening and hardening takes place, and if the stems harden in a bent or curved position, subsequent supporting will be useless.
Like all other essential steps in the task of placing blooms in the exhibition hall, packing the blooms for shipment is an operation of the utmost importance. The aim being to get the blooms through in the most perfect condition, any extra attention which can he given to this work, is certainly time well spent. The most important point is to prevent the blooms from becoming crushed or mashed out of shape. This should be very carefnlly avoided, for if the broad bottom or ray petals become bent or pressed down, it is almost certain that they will not regain their proper form when set up for exhibition.
One of the simplest methods of accomplishing this end and one that is fairly efficacious, is to place the blooms upon pillows, or small rolls of paper as long as the width of the box, and about one and one-half inches thick. A more thorough method is to cut circular pasteboard discs, the size of the hlooms, with a hole in the center, large enough to slip over the stem and calyx, so that the disc will press against the back of the flower, holding the ray petals in a perfectly horizontal position. These must be used in connection with the pillows, and they keep the blooms in perfect shape, indeed, in many cases improve the form of irregular blooms.

As to packing the blooms, there are as many different methods as there are exhibitors. If the shipment is a long one, we have found it a good plan to lay the ends of the stems upon wet tissue paper and place a layer of wet tissue over every layer of stems, so that the ends of the stems freshly cut are all surrounded by moisture. The flowers should be packed with their heads all one way and a cleat pressed firmly down near the lower end of the stems every fifth or sixth row.

For our midwinter shows, very
careful lining of boxes is necessary, so some expedient must he adopted to prevent the heavy layers of paper, which are turned over the top, from resting on the blooms, as this will certainly press them out of shape. If there are several boxes it is a good plan to mark the contents by classes on the outside of each.

If the discussion of this paper hrings out a recipe for the safe and expedi-
be held very tightly at the bottom in order to spread the blooms properly. It is frequently a good plan to use a smaller vase than the one supplied for the class, to accomplish this end.
When you begin unpacking, make a fresh cut on the ends of the stems as they are taken from the box, give the bloom a gentle downward rub with the hand, to overcome any sleepy appear ance, and lay them down on the tahle


CARNATION VICTORY AT GUTTMAN \& WEBER'S, LYNBROOK, N. Y.
tions handling of the hoxes by the express companies the writer will be devoutly thankful. The only rule we know is, "Give your hoxes to the company and join the don't worry cluh." If your exhibit is small, however, an excellent method is to buy a cheap trunk, make three trays to fit in it, pack your flowers very firmly, fill your upper vest pocket with cigars with bands around them, your lower pockets with quarters, and take it through as baggage. If you use this method you must not expect to "experience the comiorts of travel," to quote Mr. Dooley, because it is necessary to follow the example of the elephant and stay close to your trunk.
staging the bloons.
Now, do not think because your blooms are fine, have been well packerl and have arrived in time, that the prize is won. It is impossible to overestimate the value of staging the blooms properly. It is safe to assert that where there are a number of entries of almost equal merit, the blooms which are most perfectly staged have five points advantage. This is mainly the result of "first impression on the judges.'

Judges are human, and the most impartial man cannot avoid being influenced, to a certain extent, by his first impression, formed unconsciously the very instant his eyes take in the various entries. The standard for an artistic parlor arrangement will not fit the exhibition. The aim is to show every bloom in such a mauner that it will emphasize the salient points of the scale for judging.
The booms should bo arranged evenly, if poscible not allowing any bloom to touch its neighbor. Every inch of stem possible should show above the vase. and the stems should
spread out so that each bloom may be examined. When one class is unpacked, carefully select and count out the exact number of blooms required for the class; keep the scale of points in mind, evenness of color first, stem second, and size a close third. In arranging the blooms, select the longest stems first, take them up one at a time, and hold them by the extreme end of the stem, with the flower hanging down. Use the longest, strongest and straightest stems for a central bunch, placing the blooms exactly even. Work the blooms around this central bunch in circles, if that expression may be used, turning the bunch in the hand, and adding blooms equally on all sides. Place the outer rows of blooms so that they will stand a little lower than the central bunch. When complete place the whole bunch in a vase that will hold the stems as tightly as they have been held by the hand, and do not shove them too far down.

After the hlooms are arranged, a study of color effect in placing the vase is important. A light scarlet carnation may be fine, and deserve to win, but if placed next to a variety the color of Adonis it will lose much of its effectiveness.

Fundamentally, of course, intrinsic merit in the flowers themselves should win, but deep down in the heart of the florist who becomes the judge is the artistic instinct which will not be denied, and in this day of close competition, a recognition of this fact if combined with high grade stock, will aid materially in reaching the goal. first place against strong competition.
In summing un the points to be considered. one rule may be deducted: 'lf wou want to win, nothing is too much troulle.
C. W. Johnson's View of the Show.

The wonderful display of carnations at the Chicago meeting of the American Carnation Society was far beyond what was expected and the enthusiasm and interest taken by the members in the papers presented at the session is ample indication of the worth that this society is to carnation growers. In looking over the exhibits the most striking advance appears to me to be in the improvement that has been wrought in the last few years in the white varieties. There are so many


Begonia Turnford Hall.
extra fine things in this color that one is puzzled to make a choice between them. Lady Bountiful carried off the honors in vases for 100 blooms but this is no indication that it had a walkover because there were five or six other varieties chasing it very close indeed, those most noticeable being the new variety, My Maryland, exhibited by H. Weber \& Sons, Oakland, Md., a very pure clear white with as large a flower as any on exhibition. The center is well built up, the stem is stout and stiff, holding the bloom perfectly erect without the least sign of weakness. Among quite a number of the growers present this was thought to be the best white on exhibition.

Some elegant hunches of White Law son attracted wide attention. This variety is pushing to the front right along. The flower is a little pink on first opening but its splendid keeping quality enables you to leave it on the plant until the color whitens out; then it is grand. The vases of 100 Mrs . T. W. Lawson were also of uniform high quality. The same must be sald about Enchanłress and we noticed that this variety disl not go to sleep as quickly as last sfason ant seemed to keep as well as the other varieties. Evidently the growers are qiving it a treatment that suits it. The Cardinal, Robert Cralg, Victory, and Flamingo are a big four in scarlets out of which we ought
to find one to meet our wants in this color. The crimsons were not so strong as the other colors, Harlowarden and The President being the leading kinds representing this color. Dorothy Whitney was the only yellow and very few Prosperity were shown. Mrs. Patten came out first in the white variegated class.

The least 1 can say about the vases of 100 blooms in competition for the Lawson medals is that they were all grand. The varieties staged were Fiancee from the Chicago Carnation Company, Joliet, 1ll., Rohert Craig trom C. W. Ward, Cottage Gardens Company, Queens, N. Y., My Maryland, from H. Weber \& Sons, Oakland, Md., Adonis, from E. G. Hill Company, Richmond, lnd., and Cardinal, also from the Chicago Carnation Company.
R. Witterstaetter, Cincinnati, O., was late in arriving with his exhibit which consisted of some fine seedlings, receiving much favorable comment. Among them the following are entitled to particular mention: Aristocrat, a deep pink, the color being especially fine; the stems strong, and the size of bloom $31 / 2$ inches. It has every appearance of being a winner. J. A. Valentine, a light pink; a beautiful thing showing up well in every respect. Afterglow, another promising deep pink on the order of Fiancee; a very pleasing flower. Lillian May, a white of fine form, pure color, good size and stiff stem.

The array of seedlings entered for the society's certificate of merit consisted of a number worthy of special mention. C. W. Ward staged some fine ones under number. Numbers 2528-02, $2653-02$ and $641-02$ being three promising blooms. No. 2504 is a very big bloom of the deep pink class, and a white variety named Alma Ward is a beauty. Mr. Ward's collection also contained a few blooms each of some good crimson and other colors. Lieut. Perry and Fred Burki are two new whites that look good for commercial purposes.

The variegatef seedling from $H$. W. Buckbee, Rockford, Ill., which won the Vaughan cup. is a free bloomer and healthy grower and we think that, with further trial, it will prove its worth in this class.

The E. G. Hill Company has a promising white in seedling No. 12.

Mikado, from M. A. Patten, Tewks-
bury, Mass., has a peculiar shade of coloring. The bloom is on the order of Prosperity and equally large, but instead of heing shaded pink, it has a purple coloring.

The Indianapolis Flower and Plant Company and John Hartje staged three fine seedlings, in Coral, a light pink, Candace, a deep pink, and Allspice, variegated.

The new variegated variety, named Glendale, from W. J. \& M. S. Vesey, Fort Wayne, lnd., is a very fine bloom in this color but the stem is inclined to be a little weak, otherwise it is a fine thing.

Mr. Rudd's Lady Margaret which scored 85 points, I think will do better than this when he gets a larger amount of stock to select his blooms from.

A very pretty pink named Helen Goddard was exhibited by S. J. Goddard, Framingham, Mass. It is not so large as some but it has a fine color, form and stem.

Fred Dorner \& Sons Company, La Fayette, lnd., put up a fine vase of a 100 or more different seedlings, one or two blooms each, which attracted a great deal of attention.
C. W. Jomison

## Begonia Turnford Hall.

The illustrations herewith show Begonia Turnford Hall at J. A. Peterson's, Cincinnati, 0 . The variety is a sport of the well known Begonia Gloire de Lorraine, with which it is identical, except in color. It is white, shaded with a delicate cast of pink, as seen in the crab apple blossom. This variety may be had in bloom from November till April.

Keene, N. H.-Fire caused damage to the extent of $\$ 100$ in the office of L. C. Butler \& Company's greenhouse January 11.

Whitman, Mass.-Robert Moir is building two new houses, $20 \times 300$ feet each. He is supplying a large number of ferns to the Boston market.

New Haven, Conn.-Frank S. Platt Company has purchased the Merwin property near the corner of State and Chapel streets. The property consists of a four-story brick building adjoining the Yale national bank. The price paid is said to be $\$ 50,000$.


BEGONIA TURNFORD HALL, AT J. A. PETERSON'S, CINCINNATI, O.

J. H. Dunlop.


Fred Dorner, Jr.

$W_{m}$. Nicholson
ROMINENT MEN AT THE CHICAGO

## Carnation Diseases

by heo. f. ationson, chrnell university. LReprinted from the American Florist of Feb--uary 23, 1893.]
The variation of plants under cultivation has been studied chiefly in reference to the changes of external form, color, the gross anatomy of certain organs, fertility or sterility and productiveness. Very little study has been directed toward determining the corresponding or correlative variation in the minute anatomy, and the physiological processes of nutrition, circulation and assimilation.

Breeders of animals have given more attention to the law of correlation than have cultivators of plants. Sana flora in sana planta might well be the maxim of the florist. A great deal is said about constitutional peculiarities possessed by certain varieties of plants, but very few know how the different constitutional strains are related to the structural and morphological characters of the variety, or to the conditions of soil, surroundings or treatment during the time of origination, or to those more subtle influences of change of an inherited or inherent nature.

Nearly all our attention is given to prodncing new colors and forms of flowers and new habits of the plant, while very little thought is given to a harmonious" development of physiological process and firmness of tissue.

This accounts to a large extent for the many varieties of plants which are more susceptible to fungous diseases than are other varieties. Ward ${ }^{*}$ has shown that the succulent parts of plants with thin walled cells are more quickly and easily penetrated by the threads of parasitic fungi, and that

[ig. 1. Uurnation rust on leaf and flower stion. From photograph.
the caruation grower, and add to the beauty of his house.

The following descriptions of some carnation diseases is given in the hope that a knowledge of the habits of the fungi, their structural peculiarities and modes of propagation may contribute toward this end.
and leaves and notes its occurrence and harmfulness in various parts of the east. It is generally considered to be one of the most injurions of the carnation troubles, and is regarded by some as impossible to cure when once it has secured a hold npon a plant.

The first outward sign of the presence of the fungus in a plant is indicated by a slight sweling on the leaf or stem, one-eighth to one-fonrth of an inch long and nearly as broad. The surface of this swelling soon becomes pale or nearly colorless, since the green coloring matter at that point is destroyed and obscured by the presence of the crowded fruiting threads and young spores of the fungus. As the fungus matures these spores or reproductive bodies become brownish in color. The great mass of these spores lying so closely together imparts a dark brown color to the colony of fruit or sorus. By pressure from the growth within the epidermis is ruptured and turned to one side, where it usually clings as a whitish, ragged looking film by the side of the now exposed mass of spores.

Figure 1 from a photograph shows two of these sori, one on a leaf and another on a flower stem.

If one makes a thin section of such a leaf or stem and examines it under the microscope it can be readily seen why the parasite does such injury, and also why it would be impossible to heal the affected plant by any external application of a remedial agent. The spaces between cells of the leaf or stem are closely packed with the threads of the fungns, which are curved and interwoven into labyrinthian meshes, reminding one for-



this is one reason why during rainy feriods fungus troubles are more prevalent.

Care in the development of hardy varieties, attention to bygienic surroundings and the certainty of sound cuttings from sound individuals will do much to alleviate the sufferings of

- carnation rust.
(Uromyces caryophillinus Schrank; Schroter.)
The first occurrence of this European importation in the United States was aunounced hy Dr. J. C. Arthur. $\ddagger$

Dr. B. D. Halsted $\dagger$ describes the appearance of the rust on the stems
cibly of the whitish mass of roots of some potted plant as they lie between the soil and pot.

Figure 2 is from a camera luclda drawing of such a section through an

* Ward H, Marshall, Croonian Lecture
$\ddagger$ Botanical Gazette, November, 1891.
$\dagger$ N. J. Agri. Coll. Exp. Sta. Report, p.301.1891.


Fig. 3. Ureduspores, more highly maguifien, germinatine
spores.
The uredospores will germl nate in the presence of water as soon as they are set free. In handling rusted plants these spores easily rub off appearing as a brown powder bodies and are termed uredo Since they are easily scat tered about over other plants they are liable to germinate where there is sufficient mois ture and infect them, ln germinating the protoplasm inside the stout wall pushes its way ont through one of the three pores always present in the wall. Some times the protoplasm starts to push out at all three of the pores but soon ceases to extend in all but one, where it passes out into a long thread which eventually
affected leaf.

Long before there is any external evidence of the disease these vegetive threads of the fungus are growing and extending themselves between the cells of their host. After a while they converge toward certain centers below the epidermis, where they grow very closely together parallel to each other and perpendicular to the surface of the leaf. This constitutes what is termed the stroma. These parallel threads continue to elongate, at the same time broad-
enters the plant again if the uredospore is properly located.

A short time after the development of the uredospores the stroma of the same sorus, especially on the stem, produces a second kind of spore, termed a telentospore. These are also one-celled bodies and possess a stout brown wall, the wall, however, is smooth; at the apex there is usually a minute projection, or spiculus, of a lighter color, while at the base a fragment of the long pedicel remains attached after the telentospore becomes free.

The teleutospores will not germinate immediately after they are developed. Like the teleutospore of many other uredineæ they probably must first pass through a period of rest. Thus they serve as resting bodies to tide the parasite

l'ig.7. Spot (Septoria) on'eares. Frow a photograph
toria. Ward* describes similar haustoria of Hemeleia vastatrix, the cause of a uredinous coffee tree disease.

Figure 6 is from a camera lucida drawing showing the haustoria of Uromyces caryophyllinus in the cells of a carnation stem.


Fig. 8. spot (spptoria) on lle stem and leaves
The rust attacks the caruation at all stages of its growth, not sparing the young cuttings, where I have observer it in company with the anthracnose. The cuttings were probably made from a rusted plant which showed no external evidence of the presence of the parasite, but contained the threads within the tissues. Probably the best

- Journal of Botany, Vol. XXX, Quarteriy Journal. Mlcros. Science, N. S., Vol, XXII.


Fig. 9. Srptorit, section through one of the conceplacies. Maynifm :30 times more tha $u$ the scale.
'SPOT" OF' CARNATIONS OR "BLIQHT." (Septoria Dianthi Desm.)
The so-c alled "spot" of carnations is very widely distributed, and prohably the cause of more trouble than is generally admitted. Like the rust it has been long known in Europe and has been several times mentioned in this country. The disease possesses certain characteristics which enable one to distinguish it quite easily from other leaf troubles of the carnation, but when it attacks the stem it is apt not only to produce injury which to most observers might seem greater than the external evidence would indicate, but also to induce secondary disturbances which re-
treatment would be to destroy all affected plants, and where possible to remove all soil and disinfect the surroundings. If it is desirable to try cuttings from any affected or suspicious plant, the cuttings should be quarantined for at least one season to be sure no disease is lurking in the tissues.
suit in killing the plant or preventing the full opening of the flowers. Figures 7 and 8 represent respectively a pen drawing and photograph of the spots on the stem and leaves. The spot is usually characterized by a nearly circular or oblong dirty white or brownish center bordered by a dark band purplish in color. This band is well defined on its inner edge where it
joins the center but is usually illdefined and diffused with the green of the leaf on its outer edge. The whitish center of the spot is dotted here and there with minute black points, which are portions of the fruiting conceptacles projecting through the epidermis to the outer surface. Frequently the spot is on the margin of the leaf when


Fig. 10. Septoria spores.
it is semicircular in form. Occasionally the spot possesses all the characters of the center, but lacks the dark border. Where the injury extends across a large part of the leaf the outer portion of the leaf dies. On the stem the spot appears as an oblong patch on one side, the border usually not so well marked as on the leaf.

The injury to the stem is more serious, since it may extend so far internally as to cut off the supply of nutriment from the upper part of the plant, and also start a diseased condition of the stem which may be taken advantage of by other fungi or bacteria to extend the injury down into the stool and thus endanger the health and life of the entire plant. Figure 11 is from a photograph of a plant the young flower stems of which were killed by the Septoria.

The vegetive condition of this Septoria is, like the rust, a mycelium consisting of slender fungus threads, which, however, differ very much from those of the rust. The threads are more slender, are less frequently sep-


widely distributed in this country, and for the cutting bed at least is one of the most serious enemies of the "divine flower." It appears to be a rather recently observed trouble, and consequently has not been studied heretofore with any degree of seriousness. It bas been doubtfully referred to the genus Colletotrichum* and probably for this reason has been termed "anthracnose." walls and pass through the cell. This is in fact the case.

The fruiting condition of the Septoria is also very different from that of the rust. After having consumed the greater part of the nutriment at the affected spot the threads at certain centers in the diseased area develop into a black oval hollow body, or conceptacle, the open end of which projects slightly above or below the surface of the leaf. A section through one of these conceptacles is shown in figure 9. From the inner face of this conceptacle short slender fruiting threads, or basidia, are developed which all point towards the center. These basidia bear at their free ends the oblong. curved, colorless, one to three septate, spores. When this gelatinous mass absorbs water the spores are expressed in great numbers out at the opening of the conceptacle, ready to be washed about upon other plants and spread the infection.
anthracnose of carnations.
(Volutella sp.)
This disease also seems to be very
Fig. 14 Volutella, section of :frnitmo tool. Marnifnel 3ntimes more than the weale

Figure 12 is from a pen drawiug of a portion of a mature plant affected with this fungus. The black bristly points represent the elevated fruit clusters or stools. Figure 13 represents a lateral view of one of these stools quite
highly magnified.
Affected cuttings show dirty brown depressed areas of diseased tissue, presenting these same small black fruit stools. These depressed, or shrunken areas of tissue are caused by growth of the fungus threads in the cutting at that point. The fungus also extends into the leaf sheaths and hases of the leaves, as it will sometimes the entire length of the leaf. The leaf frequently,

however, is killed by the fungus attack at its base, before the growth develops in the lamina of the leaf to any extent. This fungus, as well as the Septoria,
*Report N. J. Agr. Coll, Exp. station, 1891, p. 301 .
by its growth in the stems of matured plants prohahly interferes greatly with the successful opening of the flowers. Appropriating nutriment from the stem for its own use it interferes with the nutrition of the upper parts of the plant, as seen from the frequent shriveling of the stems and pale, irregular, small depressed areas both on the


Fig. 15. Volutella, spures germinating. Magnified 30 times more thsin the seale. From culture in agar.
upper leaves and stem, which show no sign of fungus growth at those places. Since all plants which I have seen affected in this manner, figure 13, beside the spore bearing stroma there are numerous long hlack or dark brown bristles, or setæ, which are obscurely and remotely septate.
A section through one of these stools showed the presence of Septoria as well as anthracnose. I have been somewhat in douht which of the two is the more directly responsible for this interference with the nutrition of the stems as described ahove.

In the fruit stools as represented it shows that the spore bearing threads, or basidia, have a common origin with the setæ at the hase of the stroma quite early in its development, The cells of the stroma anastomose and form a false cellular mass which soon becomes quite dark, or nearly black in color, as shown in figure 14. The free ends of the basidia are separate, but they lie packed closely parallel, their ends so situated as to form a nearly even, slightly convex surface. When quite old even the ends of the hasidia are dark in color. The sports are borne at the ends of the ba-
 figures 13 and 14.

In order to study carefully the development of the fungus so that its relationships might be more apparent a pure culture was obtained, using the flution method in nutrient agaragar, pouring the dilutions into Petrie dishes. By placing the tishes under the microscope from time to time the germination of the spores and development of the mycelium conld be easjly studied.

The spores are curved, fusoid, hyal-


FFig. 16. Yolutella, spores some time after germmation. Magnified 30 times more than the scale.
From culture in agar.

ine, coarsely granular and usually with a single vacuole or clear space in the center, which sometimes gives them the appearance of being once septate. By the time of germination they become once septate. The protoplasm pushes out at one or more places, causing the very thin wall of the spore to protrude at the point of pressure. This protrusion now elongates into a fungus thread very nearly, or quite, the same diameter as the spore. The pro-
toplasm gradually passes out into the forming fungus thread, and additional protoplasm is made by the assimilation of some of the nutrient agar which the thread absorbs. That the germinating spore of septate can easily be determined where the germ tubes arise from only one-half of the spore. In such cases the protoplasm does not disappear from the other half. As the coarse granules of protoplasm pass out into the young thread they


Fig. ilk. Volutalla, fruit stool from culture on sterilized bean stans. Varnilhed po times more than the scale.
are gradually dissolved. The fungus threads are divided by cross walls into cells two to four times longer than their diameter. They also branch freely so that soon a weft of mycelium is formed, the threads of which radiate in all directions from the center of
$\bigcirc$-growth. Figures 15 -and 16 represent -spores in all stages - of germination. In -about two days - new spores a re -formed. Figure 17 represents some of Cig. 19. Volutella spores these formed at the from culture on bean ends of some of the stem. Minified 30 times branches. ln the
more than the sable. bran agar cultures the fruiting threads are frequently somewhat inflated and

lon through the upper surface of the mediam, and in a few days at the point of inoculation there is deviloped a pink pigment which gradually extends out over the entire surface of growth, as the spores are produced upon those parts of the mycelium. The pink color gradually acquires a distinct violet tinge, which is heightened near the point of inoculation by the darkening of the mycerium where s cleroted masses are developed, resembling the stroma of the fruiting stools. The darkening of the mycelfum also appears in radiating lines from the point of inoculation. This is beautifully shown in culture tubes on oblique agar.

On sterilized bean stems the fungus grows vigorously, spores of variable size are level. oped in great numbers, as shown in figure 19, while numb bens of normal ones are also developed. Be cause of the difference in the texture of the substratum the blackening
of the mycelium appears much earlier than in agar culture, and fruiting stools in all respects similar to those in nature are developed, but of a litthe more delicate habit, the setæ perbaps not so stout and dark, the basidia longer and more slender, and profusely anastomosing quite near their free ends, as shown in fig. 18.
ln old cultures in agar free ends of some of the threads become variously enlarged and much lobulated, as shown in figure 20 , and in age these become dark colored. The mycelium in agar cultures presents two conditions, a normal condition rather finely granular and richly vacuolate, and an abnormal condition, the threads much greater in diameter, the protoplasm coarsely granular, and the walls of the cells frequently rupture without exteranal disturbance, when the protoplasm escapes in clouds. This study of the structure and development of the carnation anthracnose reveals a plant quite distinct morphologically from Colletotrichum, or indeed from any member of the group to which the common name anthracnose is usually applied. The stroma is not formed in a true pustule, as is the case with the Melanconineæ to which Colletotrichum belongs.* lt is formed into a compact stool or tuft, and elevated a considerable distance above the substratum, and consequently occupies an intermediate position between this group and the more clearly recognized Hyphomycetis. It is therefore propely referable to the Tuhercularier, $\dagger$ and a member of the genus Volutella. agreeing with what is recognized by Saccardo, as the subgenus Psilonia.
carnation rosette.
Carnations of several different variesties have come under my notice which presented the appearance of a rosette. the stem very little elongated, the leaves also quite short and crowded or rosetterl upon the stem. Figure 21 is

 culture. Magnified 30 times more that u the sate.
curved or hooked near their free ends. Several spores are borne in succession from the ends. Frequently the fruiting threads branch several times near their ends, and the spore production is much like that in Fusarinm.

When transplantings of the spores are made into a culture tube of agar the threads grow out in a radiating fash-

from a photograph of a rosetted carnalion. Evidently some disturbance interfered with the interstitial growth of the stem. Sections of the stem, oresented here and there discolored spots in the medulla or pith, through the

[^0] \#Ibid, Sylloge Fungorum, Vol. IV.


cells of which fungus threads ramified in all directions. Cultures from the medulla of such plants, in nearly all cases. produced a species of Fusarium, but in some cases bacteria. The parenchyma in many cases, in the medulla, had become corky. One or the other of these organisms probably was responsible for this pathological condition, but without careful inoculations and a comparative study of the results no decision can be reached. When the plant dies, which it proceeds to do without flowering, the fungus in the medulla comhines the force of its growth into an anostomosing weft in the form of a wedge, with the point directed outward, and literally wedges its way
out. First through the woody ring, next a broad band of sclerenchymatous tissue, a band of parenchyma and the epidermis to the ontside where it expands into a fruiting stool the basidia of which bear numerous long, curved, fusoid, 3 to 7 septate spores, as shown in Figure 22. Figure 2sa represents some of the spores more highly magnified. Figure $2: b$ spores germi nating. In germinating each cell of the spore exrept the eud one can develon a germ tube. Bffore germination, low wever,


Fir. 23. Fusarium spores, a, before ger minating; $b$, rermituting; magnified 30 culture.
each cell swells into nearly a spherical form.

It may be that in the cutting bed the cut end of the stem does not heal properly, or so slowly that the exposed medulla partially decomposes, thus affording a nidus for the Fusarium, or hacteria, and when the cut is healed externally these organisms are imprisoned in the pitl. Their presence and the partially decayed tissue would affect the adjoining tissue, and gradnally more and more of the pith would he laid under contribution for the organism.

11 is satial of matmy varipties of car-




F'is : fi, Ifetrosporimm echinulatum (Berk.) Cooke. Tup of frnithor throads: marndiled 30 times more than the seale.


In making cuttings from plants, if there is too much moisture in the house or the conditions are otherwise unfavorable, the scar may not properly heal and would thus afford an entrance to similar germs.
The injuries produced by the Septoria on the stem afford similar vulnerable points.

These suggestions can probably be turned to good account by careful attention on the part of the growers.
fairy ring spot of carnations.
(Heterosporium echinulatum (Berk.) Cooke.)
Carnation leaves diseased by this fungus were sent through the kindness of Dr. B. D. Halsted. This seems to he a recent importation from Europe, since only recently complaint has been entered against it in this country, while it has been known for nearly a quarter of a century in England.
As the vegetive threads growing within the leaf tissue exhaust its substance at certain points there appears a nearly circular light colored spot. In these spots directly beneath the epidermis the threads form small tubercular bodies, dark brown in color. Great numbers of these are developed in a single spot. From these the dark brown fruiting threads arise, push out through the epidermis and bear spores at their tips. These fruiting threads arise singly or in loose clusters of two to six or more. A fruiting thread, after it has produced one spore, grows out again, usually a little at one side of the end, where the spore was freed and produces another spore, and so on. This plan of spore production gives to the threads a crooked or irregularly geniculate appearance, the angles appearing more or less knotty or enlarged. The fruiting threads are also distinctly septate. Figure 26 represents a cluster of the fruiting threads. Some of the spores are represented in figure 27. The spores are variable in size and form, being generally oblong, sometimes clavate and frequently a small projection at the base or point of attachment with the fruiting thread. When the spore is clavate, the smaller end is the point of attachment. The spores literally bristle all over with minute spines and are usually two to four-septate, quite prominently constricted at the septa. The smaller spores are sometimes oneseptate or even continuous and rarely the longer ones are five-septate. The spores are also brown in color and when produced in great numbers together with the threads darken the spot. The spot then possesses differpnt shades of color, according to the number of spores produced. The growth of the fungus from the center of the spot is centrifugal and the dark rolor is apt to be arranged in concen tric lines or rings, renresenting a miniature fairy ring. as W. F. Smith* has suggesterl.

This fungus was first ilescribed on

[^1]carnations 23 years ago by Rev. M. J. Berkeleyt and is therefore a true carnation pest. He writes of it as follows: "Many curious matters have turned up from time to time from the queries of correspondents and not the least curious is the parasite which lately has been sent us on the leaves of a carnation, to which it appears to be doing considerahle damage. The leaves are studded with large round white spots, on which a brown mould is developed, arranged in little concentric tufts. The threads are extremely irregular, forming little fascicles, slightly branched, the branches often assuming the form of knots, and the upper knots in some cases bearing the spores, while occasionally, as in our figure, they accupy the colorless upper portion of the threads. The spores themselves are cylindrical, with from two to four articulations, slightly constricted occasionally at the dissepiments and beautifully echinulate, a character which we do not recollect to have seen before in the genus to which it belongs, the spores heing considerable in length according to the number of dissepiments.
"The species is quite new and may be characterized. Helminthosporium echinulatum: floceis fasciculatis, irreg ularibus nodosis, sporis, hyalinis cylindricis, $2-4$ septatis echinulatis.'
-Three years later, probably having forgotten his first description Mr. Berkeley describes the fungus again on dianthus as Helminthosporium exasperatum. II

In 1886 W. G. Smith§ having received it on carnations from a correspondent, recognized it as Mr. Berkeley's Helninthosporium echinulatum. He calls attention to the fact that Berkeley described it later as H. exas peratum, says it is not distinct from H. variabile and sometimes occurs on Ornithogalum, when it is termed $\mathbf{H}$. Ornithogali. W. G. Smith takes occasion. and justly so, to deprecate this confusion of names, hut two years later he speaks of it as Cladosporium echinulatum. ${ }^{\circ}$

Saccordo and Roumeguere described it as Heterosporium Dianthi, ${ }^{\text {r }}$ while Cookef properly locates it as Heterosporium echinulatum (Berk.).
botrytis disease.
When the soil and especially the air in the house is kept quite damp car nations are sometimes subject to the depredations of a botrytis. Figure 32 represents an attack of botrytis on the flower buds. The details of the fungus are shown in figures 33 and 34 .

## CLADOSPORTUM

Similarly a species of Cladosporium. probably C. herbarum var. nodosum Berk. shown in figure 31, attacks weak plants where the conditions of culture are not very good.
purple joint.
This is said to be a bacterial disease, but since Dr. J. C. Arthur has recently completed quite an extended study of it the writer has given it no serious attontion.

Sinta Fe, N. M.-The Santa Fe Horticultural Society held its annual menting January 9 and elected the following officers for the ensuing year: L. B. Prince, president: W. S. Haroun, vice president; J. D. Sena, secretary; Miss E. Manderfield, treasurer.

## THE RETAIL TRADE

## Carnations in Decorative Work.



Carnations have al. ways been a favorite flower, growing in popularity as they improved until now the finer varieties of the carnation, the pink of years ago, has little fear of competition and commands a price that places it in the front ranks and enables the grower to get a fair return for the great attention required to produce such results.
My first experience with carnations in decorative work was in the making of pyramid bunches. A camellia was the center flower around which, after being well backed up with bouquet green, was placed a single row of flowers that could not contain more than two "pinks" for they were scarce. The halance of the four to six flowers necessary to complete the circle being houvardia, sweet allysum. abutilons and for carte blanche orders one, or possibly two, rosebuds. The bunch was close and compact, one flower not standing above another. The stick on which it was tied was about twelve inches long; about three inches below the green was cut off close and foiled. These bunches were placed into a mossed pyramid from which rested on top of a tall fancy vase and surmounting the whole was a bouquet with a large calla lily in the top. If the order warranted the addition, two or three small wreaths of pansies on a single wire were hung from stiff wires and perhaps a few sprays of Euphorbia jacquiniæflora and some Bon Silene roses to relieve the stiff, compact appearance.

This arrangement was always used for a reception or buffet table and after the guests were served there was always a great scramble for the bunches as there were sometimes not enough to go around. There were no long streamer carnations in those days, plants were not staked up and to cut a stem with a flower would lose several buds and the grower could not get enough more for them to make it pay.
1 simply cite the situation as it was in the early 70's to show what was best at that time. With the material now at hand the use of the carnation as a decorative flower is ever increasing. One can hardly go wrong in displaying them at almost any kind of func tion. The finer and choicest long stemmed varieties should, where pos sible, he reserved for appropriate vases not always in the long narrow kind that crowd the flowers together, but in wide-mouthed receptacles and with enough flowers to fall over gracefully and still show plenty in the center. One vase of this kind in a conspicuous place will attract more attention than the same quantity spread about in several places.
A mantle banked with carnations is always very showy and attractive. A tall vase at one end and several rose bowls so as to grade the arrangement from high to low is hetter than a mossed board. A spray carried from the high vase up and across the top of the mirror, together with a plentiful addition of green, adds to the decora-
tion. Very beautiful canopies can be made of carnations, arranging a hoge bunch at the top with the flowers falling loosely out and a continuous band of long stemmed stock along the front frame with their flowers falling forward like a shower. Placques of bark in which is concealed a slender vase will hold from twenty-five to fifty blooms of a snitable color to blend with the colorings of the room or instead of the vase, a bunch of moss well wet will keep the flowers as well. These arrangements well placed are very effective.

For a buffet table large, long clusters, tied with ribbons to match or blend with the flowers are very pretty as corner pieces, where they are attached and hung almost to the floor. In the center of this table should be a vase of one hundred choice blooms. A few flowers attached to the stem of the vase with a narrow ribbon adds a pleasing touch.

For a regular dinner party where the view mnst not be obstructed, the center should be high or, as the ends, low. If high, a pretty effect is made by connecting the two end vases with the center by garlands arranged on the cloth with smilax and asparagus and their own green, which can generally be had at this time of year. This is arranged something in the shape of a letter $S$ but long drawn out with the half center for one end good and full, as if the bowl were emptying out like a cornucopia. The other spray is arranged the same way except that it must fall from the other side of the vase, and following out the same course, finish on the other side of the center. This can be made more or less elahorate to suit the customer, and when complete is a most gracefnl arrangement.

There are many and varied ways of using carnations in table decoration. The formal platern is quite effective and satisfactory for those who have not tired of it. Something like this is an arrangement of two, more or less large, tapering clusters. These are united in the center with a large bow of ribbon and when in position rests on a rose bowl which raises it in the center, making quite a showy piece.

For the round table a good, heavy wreath of carnations fitted to come a short distance inside the plate line is very effective. This should be made loosely and yet close enough to retain its form. In the center should be a large rose bowl for a low or tall vase for a high decoration. Enchantress in the center and Harlowarden for the wreath, makes a pleasing combination for this table.

The banquet hall is especially suitable for the carnation, as they can be massed in colors, and at large affairs the guests often know their table by the colors of the flowers, which are all dark red, or pink, or scarlet, or white, or light pink, etc. Platerns, vases, shields of bark mossed in the center and spraying on the cloth with snitable greens, is the general plan of arranging.

Another field for the carnation that is opening up is that, as it nears the rose in competition, its use becomes more general in bonqnets or clnsters for weddings, debutantes' receptions, commencements, etc., etc. With a little taste really beautiful effects can be
made with choice blooms, that attract almost as mnch attention as does its long popular cousin, the rose. For the sick room, too, they are the blossoms par excellence, their bright, fresh colors, together with their refreshing, spicy odor, makes a vase of this lovely flower always welcome.

に.

## New York.

MaEliET 1 S STEADY.
The market remains in the condition as last reported, cleaning up from day to day because shipments have been light. With the demand as it shonld be at this season there would probably be a shortage in some lines. Prices are firmer, but practically no better. Roses sell well, and Brides appear to move better than for some time. Violets are plentiful, and of good quality, but it is hard to get top figures for them. An order trom Connecticut came into the market a day or two ago for 40,000 good stock, and it was filled at an all round price of 60 cents. Carnations continue plentiful with fancies and novelties a trifle lower in price. Bulbous stock moves pretty well, and is in good supply. Tnlips are plentiful, and bring from 25 cents to 75 cents per dozen, the maximnm price being for extra fine pink varieties. Daffodils move rather slower and stock has a tendency to pile up at \$2 to \$4. Narcissi and hyacinths are bringing $\$ 2$. notes.
As a result of the large nomber of newspaper notices announcing the sale of the variegated Lawson carnation to F. R. Pierson at an extraordinary high figure, that gentleman has heen receiving numbers of letters from all sorts of persons throughont the conntry begging money in amonnts varying from $\$ 6$ to $\$ 250$.

There were only five growers at the Cut Flower Exchange Wednesday morning. Mrs. Charles Lustgarten, of Elmhurst, L. I., was one of them, and while in the market her horse walked away or was stolen. It was later recovered.

The Woodside, L. I., florists are to have a bowling club. A nuclens is composed of Phil Kessler, E. Dorval, Victor Dorval, Jr., Joe Vocke, A. Smith and Alex Dorval, Jr.

Alex J. Guttman, accompanied by Mrs. Guttman, left for Chicago Monday night to attend the carnation convention.

Carl Jurgens is shipping fine daffodils to John 1. Raynor and John Young. Jos. S. Fenrich is receiving large quantities of forsythia.

## Chicago.

Market fairly firm.
The market has kept up a steady gait and while things are not as brisk as might be desired, every one appears to be fairly well satisfied. The noteworthy feature of the market this week is the remarkable shortage of good roses, both teas and American Beauty. Prices remain firm in both roses and carnations, the latter being in much favor the latter part of the week on accomnt of McKinley day. Every regular shipment contained double calls for colored carnations and prices ranged from 2 cents to 6 cents for the
best grades. The indications are that prices will remain nrm tor some time to come, espectally in roses, as tne growers promise no immediate relief. brolets conomue in the same snape of two weeks Nack, here and there an oceasional spurt. The stock is of unitorm good quality. Buivons stock is appealng in improved torm, colored tunps now heing cut. La Kenne snows signs of being as good as we ever had that variety and prices are reasonable. Some choice lily of the valley is seen about. The weather has been cold for a week but few frozen shipments have been reported. The local retail trade has a healthy tone.

The local committee of the McKinley Memorial Fund Association did some active campaigning with the resnlt that every wholesale as well as retail store is ornamented with posters and placards. The committee, which is composed of E. C. Amling, George Asmus and Leonard kill, reports hearty co-operation from the trade in general.
The Chronicle on January 25 printed a portrait and short biographical sketch of President James Hartshorne of the American Carnation Society.

The George Wittbold Company contemplates extensive improvements at the Edgebrook range in the spring.

Sinner Brothers are emphasizing their Lawson caruations which show A 1 form.
A. L. Randall Company's specialty is white lilac of exceptional quality.
John Deamud spent several days this week at Cairo, Mich.
E. C. Amling reports a lively shipping trade.

Vancouver, B. C.
The holiday trade cleaned up all the stock in sight but the prices were not very high. Carnations retailed at 50 to 75 cents per dozen; roses at 75 cents to $\$ 1$ per dozen. When you ask a British Columbian 15 cents for a rose bloom you break his heart.
J. Henry, nurseryman and seedsman. has a large number of men engaged in collecting native Douglas fir and Thuya gigantea seed which he is shipping in large quantities to Europe.

James Pont has bought a ranch and is negotiating to sell out his greenhouse business and retire. Mrs. Pont has not been well and at present is in the hospital.
H.

## Lincoln, Neb.

The weather has been of the pure winter variety for the past ten days. Trade is the usual winter standard, roses, carnations and violets all being disposed of but bulbous stock going slowly. Lilies are coming too fast, and even the longifforums will come too early for Easter if not held in check. The red stemmed, or L. giganteum are later and easier to hold back and should this year prove popular Easter plants.
C. H. F.

Shreverort, Lat-The Louisiana State Horticultural Society closed its second annual meeting January 13 with the election of the following offcers: S. H. James, Mound, president; F. H. Burnett, Baton Rouge, secretary and treasurer.

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Injurious Paint for Pipes.
Ed. Am. Florist:-In your lssue of November 5 you refer to the accidental burning of foliage from painting steam plpe with carbon containing naphtha. What is this carbon? ls it bisulphide of carbon or what, and for what pur pose was it put on the plpe?
G. S. B.

Although the above question has
been referred to me, I know nothing about the facts of the case in the article referred to. I infer, however, that what was meant by "carbon" was nothing more than common lamp hlack which is used in a variety of preparations for coating heating pipes Of course, the trouble was not from the lamp black and, although I have never used naphtha, I cannot see how it could have injured the foliage, as it would quickly evaporate, unless it was applied while the pipes were hot and the ventilators were closed. The bisulphide of carbon is a colorless liquid which is an excellent insecticide but would be of no value for the painting of pipes. Even though it were used as an insecticide, it could not be recommended, as it would not only be injurious to the plants in the house, but it could not be applied without great risk. It is also highly inflammable.
L. R. T.

## Society of American Florists. PRESIDENT'S APPOINTMENTS.

President Vaughan has appointed Messrs. E. V. Hallock, of Queens, N. Y. and W. H. Elliott, of Brighton, Mass., to serve as directors for the three year term beginnlng January 1, 1905
Also the following gentlemen to serve as state vice-presidents for the year 1905:
Alabama-Hugh Seale, Birmingham.
Callfornia-Hans Plath, San Francisco
Colorado-J. A. Valentide, Denver.
Conecticut-John Coombs, Hartiord.
Florlda-C. D. Mills, Jacksonville.
Georgia-A. C. Oelschig, Savanah
Georgla-A. John Willius, Danville.
Illinois, $\mathrm{N}-\mathrm{P}$. J. Hausworth, Chicago.
Indiana-Irwin C. Bertermann, Indianapolis.
dowa-Theo. Ewaidt, Davenport
Kansas-C P. Mueller, wichita.
Louislana-Harry Papworth, New Orleans. Maryland-R. Vincent, Jr., White Marsh.
Massachusetts-W. W. Edgar, Waverly
Massachusetts-Thos. Colllns, Hinsdale.
Michlgan-Heary Smith, Grand Raplds, and
R. G. Boehringer, Bay City.

Minnesota-0. J. Olsen, St Paul.
Missouri-F. J. Fillmore, St. Louis
Missouri, W-Albert Barbe, Kansas City.
New Jersey-C. W. Turnley, Haddonfield
New York, E-F. H. Traendly, New York City.
New York, W-Gedrge W. McClure, Buffalo. North Carolina-James M. Lamh, Fayetteville.
Obio, N-James Eadie, Cleveland
Ohio, S-H. M. Altick, Dayton.
Pennsylvania-H. H. Battles, Pblladelphia. Rhode Island-Arthur Griffn, Newport S. Carolina-C. A. Moss, Spartanburg. Texas-H. Kaden, Gainesville.
Virginia-C. Ponnet, Alexandria. Wisconsin-W. A. Kennedy, Milwaukee. Wisconsin-Geo. Vatter, Marinette. Ontario-T. W. Duggan, Brampton. $\quad$ WM. J. Stewart, Sec'y.

## Meetings Next Week.

Boston, Mass.-Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, Saturday, February 4, at 11 a. m. Lecture on "Findings of an Orchard Survey in Western New York," by Prof. John Craig, illustrated by stereopticon.
Champaign, Ill.-American Breeders' Association, February 1, 2 and 3, annual meeting.
Detroit, Mich. - Detroit Florists' Club, Cowie building, Farran and Gratiot avenue, Wednesday, February 1, at 8 p. m.

Hartford, Conn.-American Pomological Soclety, Wednesday, February 1, and Thursday, February 2.
Holyoke, Mass.-Holyoke Hortlcultural Soclety, Wednesday, February 1. Manchester, Mass.-North Shore

Horticultural Society, Friday, February 3.

Minneapolis, Minn. - Minneapolis Florists, Latham's Conservatory, 83 S . Tenth street, Friday, Fehruary 3, at 8 p. m.
Oceanic, N. J.-Monmouth County Horticultural Society, Friday, February 3.
San Francisco, Cal.-Pacific Coast Horticultural Society, Saturday, February 4.

Utica, N. Y.-Utica Florists' Club, Thursday, February 2, at 8 p. m.

Worcester, Mass.-Worcester County Horticultural Society, Thursday, February 2, at $2: 30 \mathrm{p} . \mathrm{m}$. Lecture on "Fertilizers," by W. W. Rawson.

## Philadelphia.

market quet, but steady.
Things are much the same as last week. There seems to be but little snap to business, and with the exception of Saturday last, when there was a little spurt, it was quiet. American Beauty roses are now coming in in better shape, the percentage of bull heads and off-colored flowers being much smaller. There is a fair demand for Bride and Bridesmaid. Liberty is also a good seller at from 12 to 25 cents. Carnations are stiffer in price, ranging from $\$ 2$ to $\$ 6$ per 100. The commission men hold on for a good figure the early part of the week if they clean out well on Saturday, but of late they weaken badly as the week rolls on and take a very low price (from the fakirs) for Saturday. Sweet peas are more plentiful. Calla lilies are more in evidence. Lily of the valley moves slowly. Freesia is now a staple article, but we miss the Burlington, N. J., stock grown by Lukens. Asparagus sprays in bunches are always in good demand and all through the winter can be relied upon to bring 50 cents per bunch. Smilax at $\$ 15$ sells well with the decorators.

Joseph McGregor, for many years gardener for the late Mrs. Thomas A. Scott, and since her death manager for Edgar T. Scott, owner of Woodburn, near this city, has been a member of the Pennsylvania Horticultural Society for thirty years. While he is retiring from active work, Mr. McGregor expects to keep in touch with horticulture and hopes to often see his many friends in the trade.
Mrs. J. T. Roberts, of Atlantic City, announces the engagement of her daughter, Miss Edna C. Gould, to Walter N . Yates of Philadelphia. Miss Gould is a social favorite in the circles of Atlantic City. Mr. Yates is engaged with his father in the nursery business at Mount Airy, this city.

At the Market there are two busy hours in the morning, when quite a lot of stock is turned over, after which Messrs. Moore and Meehan hold the fort. Carnations, violets and roses, with bulbous stock, is the principal stock.

Bernheimer is receivlng fine Golden Gate roses from the Floral Exchange. Mr. Geiger, of the Exchange, says the December and January business is ahead of last season.
The Leo Niessen Company is handling an immense quantity of bulbous stock. Their Amerlcan Beauty roses from John Burton are of the hlghest grade.
H. Bayersdorfer has been visiting
his eastern customers the past week. This firm filled a large telegraph order for the Pacific coast last week.
The Hugh Graham Company is receiving extra Lawson carnatious in quantity from the York road nurseries.
W. K. Harris has a fine lot of blooming plants to offer and is sending in a fine assortment of tulips in flats.
Berger Brothers are handling some choice carnations and bulbous stock.
The Wm. Graham Company has a great deal of work ahead.
It will be carnation night at the Florists' Club, Tuesday, February 7, when it is hoped that all the meritorious varieties, whether new or old, will be on exhibition. If they cannot be brought to the meeting, they may be sent prepaid by express ln care of David Rust, Horticultural hall, Broad street, Philadelphia

Edwin Lonsdale, Sec'y.

## Boston.

the market.
Boston is just beginning to wake up after the lethargy which prevailed after the Christmas activities. This is due largely to a shortage in the supply of roses and an excessive demand for violets. Roses of all kinds were cut in such numbers Christmas that the plants have not yet recovered, and but little cutting can be done. Carnations are holding their own in price and are of good average quality. Violets which slumped in price last week, have shortened up, and the price went up with a bound this week. Retail trade is quiet along the general lines, although a number of the florists are getting out decorations for large receptions.
notes.
The Floral Emblem Society of Massachusetts met last week at the Copley Square hotel. The husiness meeting was attended by executive officers and body of councillors, representing seventy-five branches of the society. Following the business meeting a reception was held. Mrs. E. A. Richardson, founder of the society, presided. A flag was shown upon which was the emblem proposed for adoption, the wreath of laurel, with a wisp of trailing arbutus to the left of the wreath. The Mayflower would have been chosen if it had not already been in use by Nova Scotia.

Michael H. Norton, of Park street, furnished the decorations for the tables at the dinner of the Boot and Shoe club, at which Governor Douglas was present. The decorations consisted of center pieces and large baskets of different flowers, with carnations and American Beauty roses strewn about the tables.

John Walsh, manager of the Boston Co-operative Flower Growers' Association, has been appointed one of the appraisers of the bankrupt estate of John Mutch, of Newtonville.
The Florists' and Gardeners' Club held its monthly meeting at Horticultural Hall January 17. The address of the evenlng was by J. Woodward Manning, of Reading.

John O'Brien and Miss Wrenn, formerly with Carbone the Florist, have formed a partnership for the purpose of conducting a retail business at 288 Boylston street.
Willlam H. Elllott, of Brighton, and Nicholas F. McCarthy have gone on
the Plant llne trip to the West lndies. They will be gone at least a month.

A number of florists connected with the Boston Co-operative Flower Growers' Association who have been ill with grip have returned to work

Harry Bayersdorfer and wife, of Philadelphia, have been in town the past week.
H. P. S.

## Indianapolis.

The State Florists' Association has elected officers as follows: President, Fred Lemon, Richmond; first vicepresident, Herman Junge, Indianapolis; second vice-president, John Rieman, Indianapolis; secretary, Fred Hukreide, Indianapolis; treasurer, John Heidenreich, Indianapolis; exec utive committee, J, A. E. Haugh, Anderson; Gunnar Teilmann, Marion; J. A. Evans, Richmond; A. F. Baur and E. A. Nelson, Indianapolis.

Benton Harbor, Mich.-The Berrien County Horticultural Society held a meeting January 18 at Library hall. The marketing problem was discussed Supervisor Jakway, of Benton, and C. F. Hale, of Shelby, reading papers.

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Sliuation Want od-By grower and I ropagator, Beleıan. 30 yeara otd, s nele, 15 vears' experience 10 Gbent, (Belgium) Holland, France, England and two years in iblscunatry, Addres

Box 142 rarr Am-rican Florist.
Silust on Wanted-A cempeteut pardeae (Christinu) ror private place or public institution. is open to enganement: thoroughly espereticed in all depertmarts laudscape work a sfectaly.

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Situation Wanted-By practical boriat; 18 ypars expuripnce in cut inwers and panis for catalogue trade. Lntraioe begonias a speciality, Sirictly temperate 4 years in last place: married, age 35. Massachusetts prefpred. Address

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Holp Wantod-Foremsn, one who uoderstsads growiog caruations, roses. 'mums and geners. slock, with thorough kuowledge of desigo w rk. Must be soher induvtrious and have good refer ences Stale wayes expecied with house rent.
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## St. Louis.

MAREET IS SLOW.
The market this week has been very dull, funeral work being the only out let for cut flowers at time of writing. Carnations, especially good stock, are not so plentiful; a good many arrive split. Violets are now selling at $\$ 4$ and $\$ 5$ per 1,000 . This coming week, January exercises at the high school and Mckinley day will stiffen up prices. However, to increase prices on carnations for Mckinley day will kill the chances of perpetuating the day so far as the sale of carnations is concerned. Roses are decidedly scarce, white especially. Bulbous stock is cleaned up fairly well. Calla and Harrisii lilies have had the call for funeral work.
notes of the trade.
The meeting held Thursday, January 19, for the purpose of organizing an association of florists who are growers of cut flowers and plauts was a success. Twenty members have already subscribed. Retailers and wholesale conmission men are not eligible.
F. C. Weber will have the cut flower decoration at the high school Saturday. Red carnations are to be used by the graduates.

George M. Kellogg, of Pleasant Hill, Mo., was in the city this week enroute to Chicago to attend the carnation meeting.

Among the early Easter weddings is that of Miss H. Dammann, cashier at Young \& Son.

Miss Theresa Badaracco has had a large amount of funeral work the past week.
W. F.

## Buffalo.

Mild weather, plenty of stock and trade fair, about covers the local sitnation. Receptions of moderate size made sone work last week. Violets have been plentiful and several signs have appeared at 50 cents the bunch for good fresh stock. Carnations are in good supply. Bridesmaid roses are coming in fine now and are selling well, but trade as a whole has not been what the stores would like.
The Gardeners' and Florists' Union had its annual election last week followed by a banquet. The officers of last year were re-elected. President Streit says that the club is progressing nicely.
Prof. Cowell has some very fine amaryllis at South park, also primroses.
S. A. Anderson is handling some very fine lily of the valley at present. W. I. Palmer, W. F. Kasting and others have gone to Chicago.

Palmer \& Son are cutting a fine lot of Red Lawson carnations.

A son was horn to Mr. and Mrs. W. H. Grever.

## Newport, R. I.

With the florists trarle has been very good the past week, as there have been, in addition to the nsual demand, several important funerals; and it is always the funeral work that helps out. The prices for everything else are whittled so rlose that it is a consolation to feel that there is at least one branch of the bushess that does return a good living profit. Cut flowprs remain about as a week ago; car-
nations down town bring 50 to 75 cents a dozen; roses $\$ 1.50$ to $\$ 3$; lily of the valley, 75 cents and violets 50 cents.

Last Wednesday evening the January meeting of the Newport Horticultural Society took place in Mercury hall. Owing to the last meeting being omitted, on account of the blizzard, there was a great deal of regular business to be dispatched. There is to be a state federation of agricultural and horticultural societies, and our treasurer, A. K. McMabon, was chosen as a delegate thereto. A building committee was chosen consisting of A. K. McMahon, Jantes J. Sullivan, Andrew S. Meikle, John Mahan and David McIntosh. By a mistake at the annual meeting 16 members were elected as an executive committee, when the by-laws call for only fifteen; to straighten out the matter M. B. Faxon resigned from this committee. John Robert Clarke was proposed for active membership. H. B. Odell, of Weeber \& Don's, the New York seedsmen, was present and made a short address. There was also quite a discussion regarding the schedule of prizes for the coming year. The meeting adjourned to Wednesday, February 1. when Professor Barlow of the agricultural college, at Kingston, R. 1., will deliver an address on "Economic lnsects and Bird Life."

Hodgson supplied the flowers for Mrs. John Jacob Astor's "small dance" in New York last Monday evening. There was no attempt at set floral decorations made but a great profusion of cut flowers were placed in vases about the rooms.

Mr. and Mrs. Robert Hunnick will celebrate their silver wedding at the Builders and Merchants Exchange hali next Monday evening, January 30. Mr. Hunnick is the head gardener at Rough Point, Fred W. Vanderbilt's estate.
Mr. and Mrs. Carl H. Jurgens announce the engagement of their son, Carl Jurgens, to Miss Florida HubJard, daughter of Mr. and Mrs. John Hubbard of Washington, D. C.

Last Friday the burial of Mrs. Lewis Cass Ledyard was held at the 1sland cemetery and the number of floral offerings was the largest seen here in a long time.

## Cincinnati.

The past ten days have been dark and gloomy. This, coupled with a good demand, has a tendency to make cut flowers a little scarce. Especially is this true of roses, there being not half enough to go around. George \& Allan have sent the first tulips to the market, La Reine, Yellow Prince and Proserpine heing the varieties. Violets, both single and double, are fine and enongh for all orders. Lily of the valley and Harrisii and calla luies in good demand. American Beauty roses are scarce and the majority are bullheadetl.

Messrs. Gillette, Partridge, Sunderbruch. Huntsman, Murphy, Rodgers, Witterstaetter and Foster were those present at the Chicago comvention this week.

Gus Meier is sending some of his usual fine Bride roses to McCullough's. J. M. McCullough's Sons are receiv-
ing some fine Princess of Wales violets and Lawson carnations from George Corbett.
O. C. Eberling of the Georgetown Floral Company, Georgetown, Ky., was a visitor.
A. 0 .

## St. Paul.

Trade has been rather dull since New Year's excepting a few good funeral orders. Out-of-town orders have been coming in very irregularly and we doubt that business will compare favorably with last year. Stock in all lines is fairly plentiful, carnations especially so. Several lots were received on consignment last week which is quite unusual at this season here. Tulips and jonquils are coming in well and selling fast. There has been an increased demand for orchids.

The funeral of Mrs. Venzke, mother of Mrs. E. F. Lemke and Ernest and Louis Venzke, occurred on January 5 from the home of Mr. and Mrs. Lemke. Mrs. Venzke was 83 years old.

Recent trade visitors were Messrs. Arnold Ringier, Wm. Hageman, Turnbull, with E. H. Hunt, and E. G. Hill with the new red rose, Richmond.

0 .

## New Bedford, Mass.

The demand for cut flowers and plants is fairly good. The supply is equal to the demand, but the quality is not up to the proper mark. There are many split carnations. Violets are plentiful and prices are lower.

The Florists' Club seems to have difficulty in getting enough members together to hold a meeting. Rivals in business do not seem to pull well together. The New Bedford Horticultural Society with its 100 members will probably absorb the smaller society.
H. A. Jahn, at Clark's Point, has his place in fine condition. A house of seedling carnations is especially interesting. Mr. Jahn has been in the business over twenty years.
J. W. Bates, vegetable grower, is turning his attention to growing cut flowers and plants for the wholesale trade.

Wm. Mosher is building a small addition, $20 \times 50$ feet, for plants.

Kraber \& Schwartz have dissolved partnership.
A. B. H.

## Montreal.

Trade after the holidays was rather slow with the exception of funeral work. Roses and carnations are plentiful but do not seem to be as good as before the holidays. Daffodils, single and double, are seen now in quantity. At several places Golden Spur was tried for Christmas but it could not be done and the bulb man's special advice will not be relied on again. Tulips are few. Lilium Harrisii is in splendid condition and very little disease is shown but they will be all too soon for Easter, the plants being from eight to eighteen iuches tall. The Japanese bulbs will have to supply the entire demand for Easter.

The Montreal Gardeners' and Florists' Club held its annual dinner Jannary 16.

Luck.

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# HIGH-GRADE SOUTHERN WILD SMILAX. <br> And Florists' Hardy Decorative Supplies. Prices Right. 

## Louisville.

The past week was an improvement over the two or three previous ones. Stock which a week ago was very plentiful is rather a hard matter to get now. It has hecome so that in ordering pink roses one does not know whether he is going to get red or white, thus showing there must he a good demand for stock. Roses have become a little scarce, and the quality has also lowered considerably. The demand is very satisfactory. In carnations the quality remains about the same, averaging good, hut the supply is very limited. Violets have heen in good demand. Home grown lily of the valley has hecome a standard flower and is locally grown in great quantity. Mignonettes are in fairly good demand but the quality of the shipped stock has come down considerably. Sweet peas are rather slow to come in in large quantities, nearly all the growers having found some difficulty in starting them. Despite the great quantity of stevia grown locally it is very hard to get.
Schulz had a reception decoration recently in which there was a mantel decoration which contained about one hundred choice American Beauty roses.
F. Walker \& Company had a neat window decoration consisting of many varieties of plants, among which were some very good azaleas and lilacs.
Visitors: Charles F. Meyer, of New York, and H. A. Brown, of Buechel, Ky.
F. L. S.

## Toronto.

Trade is quiet. American Beauty roses are very short in stock as are also the first grades of other roses. Chatenay and Gen. MacArthur are in good demand though there are not many of them to he had. Carnations are very plentiful. Violets are in good crop and Harrisii and calla lilies are becoming more plentiful. Bulbous stock is a glut.

The officers of the Gardeners' and Florists' Assoclation entertained the members and wives and families on Tuesday, January 17, at St. George's hall. The different events were very entertaining. We had as a visitor E. G. Hill, of Richmond. Ind., who came over with a vase of his new rose, Richmond. The entertainment was the best ever held hy the cluh. Those who took part were James Milne, W. Lawrence, J. Hutchinson, Geo. Brown, Mrs. Houle, Miss Edwards. Miss Crawford, Miss Donglass and Miss Lee.
J. H. Dunlop's King street store has had on exhibition a vase of the new rose, Richmond. It was much admired and is worthy of the praise that has befn given 1t.

Charles Turpe has put up a new house $21 \times 50$ feet for young stock.

Wm. Jay. Jr., was married in Buffale on Weinesday last.

Visitors: Ed. Dale, Brampton; R Jennings, Brampton, and A. Hans, representing K. J. Kuyk. H. G. D.


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ORCDDS FANCY VALLEY, TULIPS and all BULBOUS STOCK, WHA S VIOLETS BEAUTIES, TEA ROSES, and CARNATIONS. Wild Smilax, Asparagus, Adiantum, Smilax, Fancy Forns always in abuadance. Also a complete lioe of all Florlats' Supplies, Noveliles and Wire Work.

LONG DISTANCE 'PHONE, CENTRAL 3598, AUTO. 3628.

Chrisanthemdm Manual (Smlth) By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemnm and its culture in detail. Profusely illustrated. 25 cents.
Cabbages, Cauliflowhr and Allied Vegetables (allen).-The requirements of the important vegetables of the cabbage tribe are given here very fully The book also contains interesting chapters on seed raising, insect pests and fungus dlseases common to these plants. 50 cents. Landscape Gardining (Waugh).-This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs as it covers in detail the numerous probiems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to Informing the reader rather than decorating the book. 50 cents.
Asparagus (Hexamer).- A practical treatise on the pianting, cultivation, harvesting and preserving of asparagus with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is aiso some reterence to the ornamental species. 50 cents.
Hedges, Windbreaks, Etc. (Powell). -A treatise on the planting, growth and management of bedge plants for country and suburban homes. A volume of 140 pages with twenty-two ifiustrations. 50 cents.

## Beauties,

 ROSES, CARNATIONS, LILIES -AND-Cui Flowers of All Kinds.
Michigan Violets a Specialty

## Grand Rapids

 Florists' Ass'n. 60 Wabash Are., chicago.Landscape Gardening (Maynard).The development of landscape art within the past few years compels the wideawake florist to keep posted on this branch of the business. The many suggestions of this book will be tound helpful every business day. It contains 338 pages, 165 illustrations. \$1.50

The GoldpisH (Mulertt).-A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illus. trated. \$2.00.

## AMERICAN FLORIST CO.,

324 Dsarborn SIrset.
chicago.

## The Seed Trade.

## american seed trade association.

Chas. N. Page, Dus Moines, Ia.. Pres.: L. L. Nay, st. Pau], Minn., First Vice-Pres.; Twent -third annmal consuntion at Alexandria Bay, N. J., Jume $20-\% 2,1905$.

Visited New York.-A. L. Rogers, of Rogers Brothers, Chaumont, N. Y.

Visited Chicago.-Edgar J. Lambert, representing Hammond's Slug Shot Works, Fishkill-on-the-Hudson, N. Y.
We learn from the European papers that the total amount received for the Vilmorin memorial up to January 14 was $£ 1,217$, contributed by 2,710 subscribers.

Onion Sets at Chicago are reported at from $\$ 2.50$ to $\$ 2.75$ for White Bottoms and $\$ 1.75$ to $\$ 2$ for Reds and Yellows on the basis of a thirty-twopound bushel.

## January Trade Reports.

Iowa Seed Company: "Our catalogues were about a week later than usual, yet orders are not far behind. Inquiries are coming in well. We are inclined to look for better season than last year. Business last year started in early but had a setback in February and March and never regained the loss. We think the winter weather now is quite general and believe it will prove favorable for the season's trade."
Cole's Seed Store: "lt is rather early in the season to say what the prospect will be for business this winter and spring. Our catalogue was sent out about eight days later than last year, and being severe weather cannot very well compare with business done that year. ln some lines we expect a good business, and others will not compare with last season.'
Nanz \& Neuner: "Southern countries are having a cold spell which has retarded the demand. We believe with favorable weather the trade will open up to our expectations, which are promising."
Geo. H. Mellen Company: "We are pleased to say that, so far, the returns from our new catalogue are very satisfactory, and indications are for a largely increased trade this coming season."
John Lewis Childs: "Our retail catalogue trade has opened exceedingly well, although our entire edition has not yet heen mailed. Cannot yet give definite comparison."
Barteldes \& Company: "Retail husiness so far very light. Wholesale trade just starting, southern orders coming freely. We look for a large business.
Huntington \& Page: "Results at the present time are satisfactory. considering that catalogues are hardly in the hands of customers."

3,700 ACRES OF GARDEN SEEDS in cultivation.
Braslan Seed Growers Co.

Tomato and Corn Pack of 1904.
The quantity of tomatoes packed in the United States and Canada during the season of 1904, according to the American Grocer of December 21, 1904, amounted to $8,968,803$ cases of two dozen cans each, against 10,679,809 cases for the preceding year, a decrease in 1904 of 745,671 cans, or about sixteen per cent.
The corn pack proves to be a record breaker, being more than any previous pack, except that in 1900. Notwithstanding the reduced acreage in some states, early killing frost in Maine and the unfavorable conditions in New York, the output reaches 11,462,969 cases against $4,851,146$ cases in 1903 .

## Boston.

The new regulation of the postmaster general which allows the mailing of third and fourth class matter, under which head the seed catalogues come, without affixing stamps, was given a trial for the first time last week when the various firms sent out their catalogues. In every instance it saved a great deal of time and work as in previous years every catalogue had to be stamped separately. It is the opinion of all that this regulation has filled a long felt want.

Everett E. Wheaton of Joseph Breck \& Sons died Saturday, January 21, of pneumonia. The deceased had been connected with Joseph Breck \& Sons for the past twelve years and was one of their most trusted employes, having had charge of one of the wholesale departments. At the time of his death he was captain of the bowling team representing his firm and was a most zealous worker in matters concerning the welfare of his fellow employes.

Among the visitors to Boston was A. J. Brown of Grand Rapids, Mich., on his annual tour through the east. He reports having made many contracts for the coming year.

John H. Allan, of Sheboygan, Wis., was a visitor. He reports a very promising outlook for the coming season.
W. E. C.

## Newport, R. I.

The recent announcement in a local paper of the proposed alteration of the George A. Weaver Company's building on Broadway into a hotel has caused much talk. The change has not yet been definitely decided upon.

Last Tuesday Mr. and Mrs. George A. Weaver left for Hot Springs, Ark. Mr. Weaver goes for the benefit of his health.

## H. B. Odell has been here a few

days representing Weeber \& Don of New York. This is Mr. Odell's first trip here for this firm, he having succeeded George A. Burnett.
J. M, Thorburn \& Company of New York have been looking after their interests through David S. F. Adam, who has been here for several days.

The Business Men's Assoclation, to which belong many florists and seedsmen, has voted to disband, as the memhership has fallen away so fast that the association is no longer selfsupporting.
X.

## Catalogues Received.

J. Lambert \& Sohne, Trier, Germany, seeds, plants and implements; John N. May, Summit, N. J., roses, carnations and chrysanthemums; W. Atlee Burpee \& Company, Philadelphia, Pa., seeds; H. Cannel \& Sons, Swanley, Kent, Eng., seeds; W. W. Rawson \& Company, Boston, Mass., seeds; National Nitro-Culture Company, West Chester, Pa., nitro-culture; Haskell Avenue Floral Company, Dallas, Tex., roses and plants; Conard \& Jones Company, West Grove, Pa., roses, plants, seeds, etc.; Vaughan's Seed Store, Chicago and New York, plants and seeds; James J. H. Gregory \& Son, Marblehead, Mass., vegetable and flower seeds; Weeher \& Don, New York, garden seeds and tools; The Storrs and Harrison Company, Painesville, O., seeds; Miss Mary E. Martin, Floral Park, N. Y., seeds, bulbs and plants; Arthur T. Boddington, New York, seeds, bulbs and plants; Frank Banning, Kinsman, O., gladioll; Nonne \& Hoepker, Ahrensburg, Germany, seeds; Orcutt Seed and Plant Company, San Diego, Cal., seeds and plants; Barbier \& Company, Orleans, France, nursery stock; Zion Horticultural Supply, Zion City, Ill., seeds; Arthur Cowee, Berlin, N. Y., gladioli; J. M. Philips' Sons, Pittsburg, Pa., seeds; Martin Kohankie, Painesville, O., nursery stock; The Goulds Manufacturing Company, Seneca Falls, N. Y., sprayers, pumps, etc.

## Optimism.

Proprietor for wholesale garden seed establish-ment)- 'Well, get busv.; It's time we were send-ment)- 'Well, get busp;
ing okkeeper-"Isn t it too early?"
Proprietor-"Not a bit It makes the people feel that spring is coming, aud while the glow is, on they sit down and send us their orders. See?" -Chicago Tribune.

Salt Lake City, Utah.-Invitations are out for the celebration of the twenty-fifth wedding anniversary of Mr. and Mrs. C. Cramer, to be celebrated February 1.

# Van Zanten Brothers, <br>  HILLEGOM, HOLLAND. 

Wholesale growers of the leading sorts of hYacinths, TULIPS, NaRCISSUUS, CROCUS Spiraeas. gladiolus, paeonias, Itc., Etc. We further ask your attention to our superior quality and special prices of fRENCH' BULBS, ROMAN HYACINTHS PAPLR WIITE GR., ETC. Ask quotations from our traveler

## MR. G. HYLKEMA,

Care of Messrs. Mallus \& Ware, 136 Water SL., New York.
Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.


10 PER CENT SPECIAL CASH DISCOUNT．On orders over $\$ 2.00$ for Flower Seeds if the cash is enclosed．This discount does not apply to Asparagus Seed．
Cash discount on this is 2 per cent．

## We are HEADQUARTERS for Greenhouse Grown Seed of ASPARAGUS PLUMOSUS NANUS．

## Asparagus Plumosus

Ageralum，lmperial Dwarf，blue．Trade Pkt．Oz．
Imperial Dwarf，white
Blue Perfection，dwarf

Princess Victoria lor pots．．．．． beautiful blue ond white powers beautiful blue and white fowers

## Alyssum Sweet

Ayesum Little Geil
Ampolopsis Volichi
lb．$\$ 1.25$
ampelopsis Volichi．．．．．．．．．．．．．lh，$\$ 1,00$ ． 10 ． 15
ASPARACUS PLUMOSUS NANUS．
New Crop，Greenhouse Grown Seed，per 100
seeds， $75 \mathrm{c}, 250$ seeds，$\$ 150 ; 1000$ seeds，$\$ 5.00$ ．
Plumosus Robusius，new，per 100 seeds，$\$ 1.00$ ； 1000 seeds．$\$ 10.60$ ．
Sprongeri， 100 seeds， $150 ; 1,000$ seeds， $75 c ; 5,000$ seeds， 13.25.
Write for prices on larger lots on above three． Decumbnes， 106 seeds， $50 \mathrm{c}: 1,000$ seeds，$\$ 4.6$ Comoronela，per 100 seeds，$\$ 1.25 ; 1,000$ seeds， \＄10．00．

## ASTERS．



Begonla Vernon，．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 10 ． 10 ． 25 ． 20
Belils or Double Dalsy，
Dells or Double Dalsy，${ }^{\text {Dis．}}$ Trade Pkt．Oz． Mammoth White．．．1－16 oz．， 40 c － Nammoth Pink Long elo ，dark pink，ź，oz．，35e
Cendytuft，Giant llyacinth－Flow－ superior to Empress．．． $1 / \frac{\mathrm{nz}}{\mathrm{n}}, 10 \mathrm{c}$
Canna，Crozy sorts，extra choice mised．．．．．．．．．．．．．．．．．．．．．．．．．$\$ 1.20$
Colosla，President Thlere This is much and effectively used iu our parks．
Celosis Thompsoni Mapnilica．of ofrat palue for all decorative purposes in and out of doors．Plst．，10c；14－02．，205c．
Vaughan＇s Upright Whito Branch．
Vauphan＇e Upright Pink Branch
10 ． 20 ． 65
.15
.10

Tra Candidissima（Dusty Niller） 1,000 sceds．
.25
1.70 Niller） 1,000 sceds．．．．
Contaures Gymmocsrp：
．lb．$\$ 2,75$
Clomatle Paniculata，white，sweet
scented．．．．．．．．．．．．．．．．．．．．．．．．$\$ 4.60 .1$
Cinerarla＂Maritima＂Diamond．＂ This is one of the fluest foliage bedding plants．The leaves are
broad，snow－white and lasting．
Superior to the older varieties．
．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 4 oz．， 60 c .15
Clnoraria Maritima Candidissima．． 10 obaea Scandons． Alba．
Colous，Mammoth Rainbow Mixt－ ure，a very the mixtur．

$$
-32 \mathrm{oz}, 50 \mathrm{c} \cdot 20
$$

Colous，Large Leaved Sorts，extra

## VAUGHAN＇S GIANT－FLOWERED CYCLAMEN．

100 seeds． 65 c

| Pure White（Mout Blanc） | 100 seeds． 800 ＂$\$ 5.00$ |
| :--- | :--- |

Dark Crimson
Rosa vou Marienthal，＂Daybreak＂ 250 seeds of
any one kind Dark Rose（any one kind White with Carmin！Er＇e at the 1000 Rubin，darkest red， 100 seeds，$\$ 150$ ．
DAHLIA，Burbank＇s Solootion．The seed we otrer is of L．lBurbinkis own saving，and he writes：＂This seed will produce a greater
proportion of large，clear，bright colored， perfect donble Howers than any ever before offered， 90 per ceat of good howers can be expected．＂Blooms the first year from seed． Pkt．（ 100 seeds）50c．Trade Plit． $\mathrm{Oz}_{\text {．}}$
DA1SY，Non Plus Ulira，best white ． 15
Dracaena Indivisa．．．．．．．．．．．． $1 \mathrm{~b} ., \$ 2.50$ \＄． 10 \＄．$\$ 5$
Now Shasia Dalslos．．．．1－16oz，$\$ 1.00$ ． 2
Vaughan＇s Early and Lato Flower－

Geranium，Apple－scented， 200 seeds， $25 \mathrm{c} ; 1,000$ seeds，$^{2} \$ 1.00$ ．
Gloxinla Hybrida，Vughan＇s Colum－ bian Mixture，Pkt．（1，000 seeds）50c 3 phts． Ior 81.20 ．
Grevillea Robustil（Silk Oak）． Heliotrope，Lemoine＇s Giant，．．．．．．．．．．．．．．．．． 10 ． 45 IPOMEA Nocliflora Moonflower Trade Pkt．Uz． OMEA Nocliflora，Moouflower－ IV hite serded，．．．．． 100 seeds， $50 \mathrm{c} \ldots$ ．$\$ .10$ ． 8.50 Lomon Verbena ．．．．．．．．．．．．． 1 oz．， 40 c Linaria（K＋nalwortilivy）．．．．． 14 oz．，40c 40 c Lobelie，Crystal lalace Compacta，．．．
$.10 \quad .80$

Nicotlana Sanderae，with large bright Tr．pkt． carmine flowers．
Pandanus Utilis， 100 seeds，$\$ 100$

## PANSIES．

Vaughan＇a Up－to－Date＇International＇＂ Received the ouly arward for Nixed Pansies at the Wrorld＇s Fair．It is to－day better and more complete thau ever．It coutains the cream of the stock of 10 Pansy Specialists．There is no better or used it can tell vou．Price per ozts who savi oz．，$\$ 5.04$ ； $1 / 8$ oz．$\$ 1.50$ ；trade plet．per $50 \mathrm{cz} ., \$ 10.00$ ； $1 / 3$

## Vaughan＇s＂Clant Mixiuro．＂

This mixture is specially made by us from all the separate colors of Giant Trimardeau，the Giant Bugnot and Cassier and several special strains which cannot be bad any other way，If your trade demunds large flowers there is no better mixture．Price 4 lb ．，$\$ 14.00 ;$ oz．$\$ 4.00$ ；友 oz．，60c； trade pht．，25c．
Vaughan＇色 Promium Mixed，per pkt．，』玉较，Oz．， 3.00 ；oz．，$\$ 5.50$
Chicago Parks Eadding，＂Choice Mixed＂pht．， 10e，य2 0z．，z．c，oz．，\＄1．t0； 4 0z．，$\$ 3.00$ ．
Palunla，＂Vaughan＇s Best＂Mixture of Large Flowering tetunias，trade pkt．，（1，00 seeds） 50c； 3 plts
Polunia，Howard＇s Star．Distiact from Inimita－ ble，or Blotched and Striped．The color is a
rich velvety crimson－maron：a splendid sort rich velvety erimson－marona：a splendid sort
for borders，hanging baskets，pases，etc． for borders，hang
Potunia，Vauphan＇s Double Petunias，mired， trade pkt．（ 600 seeds）$\$ 1.00$
Potunla，Double pure white， 250 seeds， 50 c ．
Potunla，Extra Large Flowering，double iringed． This extra choice strain produces about 30 per cent of splendid doublefringed flowers．Trade pht．（ 500 seeds）60c； 1,000 seeds．$\$ 1.00$
Pyrolhrum，Golden Feather．．．．．．．．．．．．．．$\$ .10$ © 8 ． 30 Selaginoides．

10 ． 50
Salvia Splendeus，Clara Ledman（Bon－
 Silverspot． $.25 \quad 2.25$ A．Ragenau $35 \quad 2.00$

Smilax，new crop，$\frac{1}{4} \mathrm{lb}, 70 \mathrm{c} ; \mathrm{Jb} ., 8.50$ ． 10 ． 25
STOCKS，Largo－Floworing Corman 10 Wooks．
pure White，Brilliant Rose，Bright Crimson， Blood Red，Purple，Light Blue，Canary Yellow， Price each iboveper 2／8 oz．，40e；oz．，\％ 2.55 ；pkt．，25c， Large Flowering，extra choice $\mathrm{m}^{\prime} \mathrm{xd}$

Binc．．．．．．．．．．．OZ．，\＄1．00 ． 10 ． 40 Vaughan＇a Best＂Mixlure of Vor－
Vorbene Caudidissima，swhite， $1 / \mathrm{oz}, 20 \mathrm{c}$ Deflance，brightest scarlet $1 / \frac{\mathrm{Oz}, 20 \mathrm{c}}{25 \mathrm{c}}$ Mammoth，mixed．．．．．．．．．．．．ioz．，we




## ， <br> Vaughan＇s Seed Store，

NEW YORK， 14 Barclay Street．

[^2] are the incorporators．

## LEONARD  HEADQUARTERS <br> onion sets．ㄹ．．CO． <br> WHOLESALE SEED GROWERS <br> i＇ont ract orders for delivery after harvest 1005 are being booked now．Boans，Pose and Gardon Soeds．Write Fol Prices <br> chicago．

## The NurseryTrade

## AMERICAN ASSOCIATION OF NURSERYMEN.

E. W. Kirkpatrick. McKinney. Tex., Pres.; C. L. Watrous, Des Moines, Ia., Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y Thirtieth annual convention, West Baden Springs, Ind., June, 1905.

Jackson, IA.-E. L. Lewis, of Cresco, Ia., will start a nursery in the spring on land recently purchased, known as Thomas hill.

Pltasiki. Tenn--The Giles County Nursery Company of Lynnville, has purchased fifty-five acres of land here and will operate a branch, with headquarters at Lynnville.

Grand Rapids. Mich.-The councll is considering the project of establishing a municipal nursery in John Ball park. Superintendent Cukerski of the park system is recommended as supervisor.

Fargo. N. D.-The North Dakota State Horticultural Society at its annual meeting January 20, elected the following officers: James Holes, Fargo, president; Professor C. B. Waldron, Fargo. secretary; Lieutenant Governor Bartlett, Coopertown, treasurer.

Algoma. Wis.-The Algoma Horticultural Society at its meeting at Grange hall January 3 elected the following officers for the ensuing year: President, Marcelin Henry; vicepresident. Andrew Hanten; secretary, Mrs. Anna Smith; treasurer, C. Philipen.

## Nursery Notes.

Crimson Rambler rose cuttings root as readily from outdoor wood as does that grown under glass and you get much larger plants the same season.

Black locust is being highly recommended for a street tree in the smoky sections of large cities.
If your stock for transplanting has not been sorted and sized, do it now. it pays.

## Fruit Trees Along the Highway.

One of the ways for beautifying the country in the Grand Duchy of Baden without any ultimate expense to the taxpayer is the planting of fruit trees along the government highways. These are cherry, apple, pear, and in some maces walnut trees. The trees are planted thirty-two feet apart along each side of the road, and when the fruit is ready for market it is sold at puhlic auction on the trees, the purclaser being ohliged to harvest it at his own expense. The amount realized from the salc of the fruit is applied toward the maintenance of the system -the propagation of young trees, their planting and cultivation, etc.
The department of the government managing the enternrise is known as the department of "Wasser und Strassenball." There are two large nurseries, one near Emmendingen and one near Durlach, where the trees are grown. The fotal amonnt reatized from the sale of the fruit in 1902 was : 8.046 marks. or $\$ 9.055$; in 190?, 24,081 marks or $\$ 5,7,1$. These were not such soom fruit years as the present one,
but the amount realized thls year has not been reported. The cost of malntaining the system in 1902 was $\$ 4,590$, and in 1903, $\$ 4,980$. The price reallzed for apples was 1 1-6 cents a pound; for pears, $21-5$, and for cherries, $22-5$ cents per pound.

Joseph I. Brittain.

## Concord, N. H.

At the annual election of the New Hampshire Horticultural Society, Col. C. C. Shaw of Milford was elected president, and Hon. W. D. Baker of Quincy, secretary. A resolution was adopted recommending legislative action on a bill to reorganize the forestry commission and the protection of forests from fire.

Prof. F. W. Rainie of Durham and Philip W. Ayres were appointed a committee of two to act in co-operatlon with a similar committee from the Society for the Protection of New Hampshire Forests, which joint committee is requested to co-operate with the authorities in Massachusetts who are seeking to exterminate the browntail moth. The soclety urges the towns in the southern tier of the state where this pest is already making headway to take immediate action in destroying all nests before the first warm days of spring.

## Massachusetts Horticultural Society.

The list of prizes offered by the committee on "school gardens and native plants," together with the varlous exhibitions in that line has just been published. The exhibitions of native plants will occur on April 29, June 3-4, June 24-25, July 8-9, August 12 and September 14-17. The exhibition of native ferns will be on July 22, and the exhibition of children's herbariums on the Friday and Saturday following Thanksgiving. The prizes for school gardens are $\$ 12, \$ 10$ and $\$ 8$. and for children's home gardens $\$ 5, \$ 4, \$ 3, \$ 2$, two of $\$ 1$ and four of 50 cents. The commlttee for the present year is Henry S. Adams, of Wellesley, Charles W. Jenks, of Bedford, William P. Rich, of Chelsea. Miss Mary Rodman, of Concord, and W E. C. Rich, of Roxbury.

Mrs. Anna C. Ames has offered to the society prizes for the Mrs. Oliver Ames rose. The prizes are for the hest fifty blooms, to be awarded at the spring exhibition in March, and are $\$ 30 . \$ 20$ and $\$ 15$.
The next exhibition will be in February, and will inclnde primulas, violets, carnations and Begonia Gloire de Lorraine. The Boston Co-operative Flower Growers' Assoclation and the Boston Co-operative Flower Market will both have their annual exhibltions in connection with this exhlbltion.
Prof. M. L. Fernald, of Cambrldge, delivered an address January 14, entitled "Some Recently Introduced Weeds," offering many valuable suggestions. H. P. S.

## Monmouth Horticultural Society.

The Monmouth County Horticullural Socirty held an interesting meeting January 20 at Red Men's hall Oceanic. N. J. Two new members were elected. Cliarles Totty, Madison, N. J., Alfred Richards, New York, and

Anton Bauer and John Schackla, of Deal, N. J., were visitors. It was decided to hold the annual ball February 10 , postponing the regular meeting from February 3 to that date.
G. H. Hale exhibited Primula obconica grandiflora, receiving 90 points. W. Turner had carnations, Harlowarden, Enchantress and Gov. Wolcott which scored 80 points. Mr. Kettel has been showing tulips since December 15, with stems 9 and 10 inches long. When asked about the culture of same he said that when he had them boxed he left them outside, uncovered, for three or four weeks. Then he put them in a cool cellar. When he brings them into the house for forcing he covers them with a box. Remarks were made by Charles Totty, Alfred Richards, H. A. Kettel, N. Butterbach, A. G. Williams and others.
B.

## Greenhouse Heating.

Ed. Am. Florist:-The heating system in my greenhouse is not satisfactory, although it was put in by a reliable firm. The flow pipes rise from the boiler about 10 inches and then run horizontally two feet, then drop 8 inches and finally rise to the expansion tank, as per sketch enclosed. I think that the 8 -inch drop should not be there. Am I right? Are four 2 -inch flows and four 2 -inch returns sufficient to keep the temperature at $50^{\circ}$ when the thermometer seldom goes below $12^{\circ}$ below zero? The house is $12 \times 50$, with 10 -foot ridge and one end of house exposed.

Subscriber.
The flow pipes should either be given a slight rise or a slight fall after the horizontal run is commenced, and a drop, such as is described, is not advisable. In fact, I do not see how the system could fill with water in the part above the boiler unless there is an air cock or a vent of some kind. The description of the house is hardly definite enough to tell just how much radiation is required. If the walls are well built without glass, and no more than five feet high, there should be no difficulty in maintaining a temperature of 50 degrees in a house 12 by 50 feet when the thermometer is 15 degrees below zero. By running a half inch pipe from the highest point of the system over the boiler, to a point a little higher than the point of the expansion tank, it is possible that the diffculty will be corrected but lf this does not suffice, it can certainly be done by running the flow pipe in a straight line.
L. R. T.

Southinoton, Conn.-C. W. Blatchley has leased hls greenhouse property on Bristol and Main streets to John Oleson and Philip Loudon who have worked for him for the past two years.

## The Best Paper in the Trade.

American Florist Co.:-I send here with a money-order in payment of my subscription to the American Florist. Your paper is all right, the best in the trade.
F. G. Chapman.

California Privet 1 , mand California Privet itrasi Anpereannibiontion river view nurseries,

$10,0 c 0$, all sizes; large sizes to $5 \times 5$ feet. Write for kinds and prices.
C. J. NOYES, PENDETㅇN. Manchester, England.

## W, van Kleef \& Sons,

Wholesale Growers of all kinds NURSERY STOCK.
BOSKOOP,
HOLLAND,

aspect our nurseries when in Europe. No agents

## Beautiful Grounds.

An illustrated Manual containing suggestions on Lawn Making, Planting and care of Shrubs ties bardy with of merit and descriptions of variaing Laudecape Plana, Topographical Surgeyr, etc. A book you will often refer to. Send for it to-day. Free on application.

Jacs Smits, Lto. NAMAROEN.)

> (BRANCH AT BOBKOOP.)

Wholesale Growers of tardy Fanasid oursery atock, pot-grown forcing planta. Lilaca apecialty. Berlin and Hamburg Valley-the best quality. Catalogue iree on demand.
When in Europe please inspect our nurseries. MMAREM-EUSSUM, noar Amsterdam, lo oor R. R. Depot.
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Furdish PALMS, ARAUCARIAS, bay TREES, FICUS and othes decorative plants lor 1905 , epring delivery. azaleas for fall delivery. Prime quality: caraful
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 New catalogue now ready. "Cen't buy trees right without it.'• Get it ofT. V. MUNSON a SON, Danmon, Tax

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Flowers brighter and mucb mora double blooms esrlier and does not blesch ont. Field plants, 2 to $3 \mathrm{ft} ., 82.00$ per doz.: 81500 per 100 Field plants, 3 to 4 ft ., 800 per doz.; 820.00 per 100 The Conard \& Jones Con, wisi ${ }_{\text {phe }}^{\text {grove, }}$

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Frult Trees, Small Fralts. Ornamental Treca Hoses. Ilards Planta. Cilmbers, etc. Ih most complete collections in thlis country. Cold Tledal-Paris-Pan-A mericanFs. Louis.

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ORDER HAROOSHRIUSS,RAMBLERS and hYBRID ROSES EASTER FORCING deutzia gractiss, pol
 grown tor 7 -ineh pots
LLAC, Chas. X and Mirie Each Doz. 100 $40 \quad 350$-500 EXATis heavy MOLLis, mixed
$\begin{array}{rr}85 & 9.0 \\ 1.00 & 110\end{array}$
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For foreing, large plants,
$200 \quad 90.00$
HYDRANGEAS, Otaksa, Red
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2-yr old, pot-grorvn, for forcing. 500 35. 00 CRIMSON RAMBLERS, strong.


VAUGHAN'S SEED STORE, Chicago.<br>Greenhouses and Nurseries, Western Springs, III.


## Hardy Native Pennsylvania

## RHOODEEVPRONS

Large clumps, 2 to 6 feet high, finest stock of hardy forest collected Rhododendrons in the United States, especially suited for planting on fancy tawns and large estates. Large orderas especially solicited. Can furnish 100 car loads. Prices right. Also 200,000 extra fine Apple Trees very cheap. Fioe stock of Plum, Pear, Peach, Cherry and Quince Trees, at reasonable prices. Full line of small fruits. We solicit your inquiry and order. Address
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## SurplusTreeseeds. <br> 500 lbs. Catalpa Speciosa,

500 lbs. Black Locust. Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.
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The new hardy perennial. The finest ordamental grasas to be had-perfectly hardy can be used indoors and our, grows rapidy and does not turn green or run to seed. Strong field-grown roots, 15 c each by manl, postpaid. $\$ 1.25$ per dozen; $\$ 8.00$ per 100 by ex. press, charges not prepaid. Can fill
orders at any time. Terms cash prders at an
with orders.

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For $\{$ Trees, Shrubs, Vines Your $\{$ and Small Fruits. Descriptive Illustrated Catalogua Frea. THE WM. H. MOON OO. Morrievilie, Pa.

Pleose mention the American Florist when writing.

## Our Pastimes

Announcements of eoming contests or other events of interest to our bowliag, shooting and sporting readers are so
given place in this golumn.
Address all correspondenee for this depart ment to J. 11. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Cbestnut St., Philadel phia; or to the American Florist Co., Chicago

At New York.
The following are the scores made at Monday night's meetiug:

| Player. | 1st | 2nd | 3 rd | 4 th |
| :---: | :---: | :---: | :---: | :---: |
| Manda. | 142 | 182 | 168 | 119 |
| Buras | 154 | 167 | 136 | 138 |
| Kessler. | 179 | 150 | 153 | 128 |
| Lang | 203 | 121 | 160 | 139 |
| Fenrich.. | 173 | 120 | 161 | 199 |
| Siebrecht |  | 156 | 130 | 133 |
| Holt | 8 | 123 | 160 | 102 |

Pepper
The Florists' Club bowling tean played a return matclı with the Flat bush florists, at the Flathush alleys, on Thursday evening, January 19. The Flathush boys entertained the visitors at a course dinner served at the conclusion of the games. The follow ing scores were made:

|  | NEW YORK. |  |  |
| :---: | :---: | :---: | :---: |
|  |  | 1st | 2nd |
| Traendly |  | 147 | 155 |
| Kessler |  | 197 | 115 |
| A. S. Burns |  | 139 | 195 |
| Fenrich |  | . 158 | 182 |
| Manda |  | 128 | 160 |
| Butterfield |  | . 101 | 148 |
| Shaw |  | 5 | 136 |
| O'Mara Holt |  | . 203 | 153 |
| Hol. |  |  |  |
| Totals |  | 1454 | 1399 |
|  | FLATBUS11. |  |  |
| Player. |  | 1 st | 3nd |
| H. Dailledouze |  | . 129 | 127 |
| Riley |  | . 110 | 138 |
| Wocker |  | . 135 | 113 |
| Scott |  | . 130 | 138 |
| Leller |  | .124 | 115 |
| Mellis ...... |  | . 191 | 122 |
| Is. Schmutz |  | . 158 | 158 |
| Siebrecht |  | .1.6 | 122 |
| 1'. Daillerlouze |  |  |  |
|  |  | 279 | 1169 |

## At Denver.

The florists of this city have organized a bowling league. There are four teams of four players each. The following are the results of the last games:

| TEAM No. 1. | 1st | 20 | 3d |
| :---: | :---: | :---: | :---: |
| Brinkert ...... | . 117 | 176 | 143 |
| Reyoolds | 112 | 117 | 135 |
| Valentioe | 99 | 149 | 165 |
| N. A. Beosou | 157 | 183 | 168 |
| Totals | . 485 | 625 | 611 |
| TEAM NO. 2. | 1st | 2 d | 3 d |
| Frazer ......... | . 166 | 162 | 125 |
| Kfnoedy | 120 | 154 | 139 |
| 13ush | 7 | 920 | 185 |
| Scott | . 18 | - |  |
| Totals | . 634 | 690 | 580 |
| TEAM $\because \bigcirc \bigcirc$ | 1st | 2 d | 3 d |
| Berry | . 119 | 99 | 134 |
| Kurth | 116 | 179 | 136 |
| Zimmer | 146 | 1.08 | 158 |
| Nabon | 164 | 208 | 158 |
|  | 545 | 621 | 561 |
| TEAM NO. 4. | 1 st | 2 d | 3d |
| C. Benson . | 114 | 177 | 138 |
| V. Mauf | 147 | 159 | 117 |
| Chilis | 109 | 154 | 166 |
| Glauter | .143 |  |  |
| Tobals | 513 | 585 | 524 |

Baltimore.
trade 1 mproves
With favoring weather there is a manifest improvement in trade, but the supplies of cut flowers bardly keep up with the daily requirements of the
stores under the increasing catls. Good stock is in fair and steady demaud. There are numerous dinners, dances and ather social events, which make a visible change for the better in trade conditions. At the Exchange on Saturday night nearly alt stock was closed out, although the market had been rather flushed with shipments from Philadelphia houses, of carnations at abnormally low figures. Violets are in better supply; roses are improving; there is some good mignonette coming forward. Good American Beauty roses have been scarce, and when any quantity was wanted it had to be imported.

> A VISIT TO webelis.

On Saturday a party of six, Fred C. Bauer, John J. Perry, Henry Lehr, Thos. Stevenson, Albert G. Fiedler, and Chas. Sieck, took the night train to visit the establishment of Henry Weber \& Sons, at Oakland, Md., returning early Monday morning, after a journey of nearly 500 miles. They were pretty well tired ont, but gratified with their hospitable treatment, the novelties of the journey, and especialty with the magnificent carnations of which their hosts make a specialty. The visitors were met by the Messrs Weber in a driving snow, given a sleigh ride in the mountains, and an abundant and enjoyable dinner, and a musical treat by the Weber family widely celebrated for their skill and taste in that line. They are enthusias tic over the new seedling My Mary land, of which a stock of some 40,000 plants has been accumulated.

On February 27 a carnation show witl be held hy the Gardeners' Club, when a large display from local growers is expected and some specimens of the new candidates for the favor of the trade. The exhibition will be free to the public.
S. B.

## The Art of Comptaining.

An inter-sting and suggestive artiele under this heading by Ant. Rivoire appears in a continental contemporary which has, we think, lessons for all husiness men. lle state that having reeently listened to the conversation in a gathering of rommercial men which turned on the many sios and shortcomings of the postal and railway departments he was led to remark: "1 have 110 doult, gentlemen, as to the truth of the facts alleged, but have you in each instance lodged complinots hithe the admuistration in cqueston respone was "Wo what is the good: Wothing response was,
would be tone
We are led to think that things are pretty much the same here as abroad, men grumble and growl but are too lazy to sit down and write a formal complaint to the authority concerned. Every ness to mand should consider it a part of his business to send a written statument of the facts of ay which bis tirn has sulfered, to the proper authorities concerned. The statement should
give full dates and particulars, and while calling attention to the evil cotuplaided of, should do soin temperate terms. Verbal abuse of individual offleials attached to the postoffice, railway, ete., is not only foolish but useless, as they are not bound to take any notiee of it, while their regulations comper them to forward withencomso polic argulutions rereve no complaints thes are ipt to co onserenely faneying that everythine sping on it should do and it is due to them that they should at least be informed of any exist ing evils in their systrm and have a chance to remove them. Onr udvise to our readers is, when eauses of complaint arise, write it once and stata your grieyance: if they bappen dally write daily If everyone did this, the most sluggish officials would, like the unjust judge, find it easier to wow in the required dircetion than to sit still.Horticultural Advertiser.

Our Advertising Cohumas Do Business.
American Florist Co.:-Please dis continue my advertisement. I have gotten more customers than I can supply since advertising in your paper.

John Wolf.

## CHRYSANTHEMUWS ${ }^{\text {Rotide cutiting }}$ Ready

of the five best commercial varieties. Propagate early and plant early and you will make no mistake, if you receive yourstoek early. 8300 . Dur 100 am, Byron Mrs, Coombes and Monrovia 8200 per 100 Cosh will order Exprese paid on order per 100. Cash with Order
GUNNAR TEILMANN, Marion, Ind.

## Chrysanthemums Romete iditutus A FEW OF OUR LEADERS:

Wm. Duckham, Ben Welis, F. A. Cobbold, Leila Filkins, $\$ 3$ per hundred.
Dr. Enguehard, \$4; Mrs. Thirkell, \$2.
Send for complete list. No order filled less than $\$ 1$ W. A. CHALFANT, Springfield, Mo

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Slrong Rooted Cutlings and Plants. Leading standard varieties. Wiite for list of varieties and prices. Cash or satisfactory references. Address
Baur Floral Co., Erie, Pa. ROOTED CUTTINGS OF EARLY
CHRYSANTHEMUMS.
Opah, Mme. Bergman, Willowbrook ad October Sunshine.
Rooted Cuttings of VIOLETS of all kinds. ELI CROSS, Grand Renids, Mich. Chrysanthemum Novelties
Merstham Yellow, White Coombes, Emily Mile ham, Valerle Greenham, Mrs. H A. Allen and
all other novelties 50 e each; $\$ 5.00$ per doz.
Mrs. Wr. Duekham, the cup winner, 75e each; $\$ 7.50$
per dozen. Send for list.
CHARLES H. TOTTY, Madison, N. J.


## $\$ 500.00$

I.
HEN we paid the above amount for the entire stock of two new seedling Asters (three and one-eighth ounces of seed) it was said to be POOR BUSINESS JUDGMENT to pay so high a price for an aster, unless it was something phenomenal.
We have given these two varieties careful culture for two years, and are satisfied that OUR JUDGMENT WAS ABSOLUTELY CORRECT; they are phenomenal, as all who have seen them will certify. We have named them

## "Benthey's White" AND "Benthey's Pink"

and when we placed the cut blooms on the Chicago and St. Louis markets the past season, their popularity and success was immediately established. One of the most prominent Retail Fforists of Chicago, says of them: "The best sellers we ever handled and sold at double the price of any other variety in the market."

PHENOMENAL FOR SIZE, blooms are from three to five inches in diameter.
STEM, length varies from twenty-four to forty inches, with strength to hold the flower gracefully.

PRODUCING QUALITIES. They will produce more first-class salable flowers than any variety now in commerce.

FREEDOM FROM DISEASE. We have never grown or seen anything to compare with them in this respect.

The seed of these varieties can be had at the following prices:

1-4 Ounce, White or Pink............................................. 250
1-2 Ounce, White or Pink.............................................. 4.50
1 Ounce, White or Pink.................................................. 8.00

## TieBENTHEVCOATSWORTHCO.

 WHOLESALE FLORISTS,

# "MY MARYLAND" 

## The finest NEW WHITE for 1906. Awarded first-class CERTIFICATE OF MERIT by the American Carnation Society at Chicago.

Larger and freer than Lawson; extraordinary keeper. We are booking orders now. Delivery January 1st, 1906. $\$ 12.00$ per 100; $\$ 100.00$ per 1000.

## 

## Has Been Awarded The Following Honors:

PRELIMINARY CERTIFICATE. special diploma. FIRST-CLASS CERTIFICATE OF MERIT.

Massachusette Horticultural Society. FIRST-CLASS CERTIFICATE OF MERIT. Penosylvania Horticultural Soclety. FIRST-CLASS CERTIFICATE OF MERIT. New York Florists' Club, 93 points. CRAIC CUP tor best undisseminated seedling. C. HARTMAN KUHN SPECIAL PRIZE G. lor best undisseminaled seeoling. Philadelphia. FIRST PRIZE best 100 scarlet.
FIRST PRIZE best 50 scarlet seedling. Chicago.
Cbicseo.



ROOTED CARNATION CUTTINGS.


Golden Gstc.......................... 12.50
Shipped promptly C. O. D. Irom greenhouses
wrunact winan
E. C. DAY, Receiver, 1334 Firnt Nalional Bank Bldg., CHICAGO. Please mentron the at met wan Fionst when woviling.

[^3] lierdg now. dait as sond you a sumple of this stock. Quallty is our hobhy.
W. C. HILL FLORAL CO., Streator, IIt.

Please mention the American Flonist when writug.

# The JohnE. HainesCarnation 

positively the best SCARLET OUT.

Sixe $3 y$-inch and over. To be disseminated in 1906.

Invitations for inspection of greenhouses are extended to all florists. Will gladly furnish sample flowers for exhibitions and club meetings on request.

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## ESTABLISHED 1870.

## PATIEN \& COMPANY,

 Carnation Specialists,TEWKSBURY, MASS.
NOVELTIES and STANDARD VARIETIES.
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## The Greatest Scarlet Carnation Ever Originated

## Robert Craig 1906 .

## At Philadelphia.

Was first for the best 50 blooms any undisseminated seedling.
Winner of the CRAIG SILVER CUP for the best American Seedling, defeating Fiancee which places it at the head as being the bist carnation extant.

## At Chicago.

First for the best 100 blooms Scarlet.
First for the best 20 blooms Scarlet Seedlings.

## PLACE YOUR ORDER NOW AND SECURE EARLY DELIVERY.

## We Can Supply on Short Notice ROOTED CUTTINGS of the Following Varieties:

| Per 1001000 |  |  | Per 1001000 |  |
| :---: | :---: | :---: | :---: | :---: |
| NELSON FISHER................................. $\$ 7.00$ | \$60.00 | LIEUT. PEARY. | \$12.00 | \$100.00 |
| MRS. M. A. PATTEN............................. 6.00 | 50.00 | ECLIPSE. | 12.00 | 100.00 |
| ENCHANTRESS.................................... 4.00 | 30.00 | CARDINAL | 12.00 | 100.00 |
| THE BELLE........................................ 6.00 | 50.00 | RED LAWSON. | 10.00 | 75.00 |
| OCTOROON......................................... 600 | 50.00 | WHITE LA WSON. | 7.00 | 60.00 |
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Our blooms are the BEST ON THE MARKET and we solicit your orders. We make a SPECIALTY of shipping blooms DIRECT to the retailer to all PARTS OF THE UNITED STATES. Our rooted cuttings are UNEQUALED and we ship to all parts of the World. You can prove every word we say by placing an order with ns.

# 60,000 Grafted Rose Plants 

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April ist in $21 / 2$ inch pots, thoroughly hardened off and ready to shift into $3^{1 / 2-i n c h}$, the following:

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ROOTED CUTTINGS. Ready Now.
Per 100
$\ldots . . . \$ 1.50$

|  | Per 100 |  | Per 100 |
| :---: | :---: | :---: | :---: |
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|  | Per 100 |  | Per 100 |
| :---: | :---: | :---: | :---: |
| GOV. WOLCOTT | . $\$ 2.00$ | FLAMINGO. | \$5.00 |
| WHITE CLOUD. | 2.00 | CRUSADER. | . 4.00 |
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| ENCHANTRESS. | ... 3.00 | GAIETY........ | .. 2.00 |

ALL PLANTS SHIPPED FROM HINSDALE.

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# Red Sport 

## (OF MACEO)

This New "Bread and Butter" commercial brllliant "Crans" Red Carnation, now in its fourth year, has the bardy constitution of Gen. Macen, with a stronger, heavier growth, longer and stiffer tem and larger flower.
Growing under the same conditions and in the sams house with Flamingo and Estslle, it has produced foue times as many flowers as the former and twice as many as the latter. The color is as good as Estelle and the bloom brings as much as does Estelle at its best Every flower is of a uniform, brilliant red, perfectly double, with an idea calvx: in fact, we have never seen a split dne.
REO SPORT is perfectly healthy, an easy varioty to grow, an ebry and continuous bloomer bplideys and auring the winter monthg, when red holidsys and during the winter months, when red in inemsid
RED SPORT will keep longer and travel farther chanany other red carnation, and will prove
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rists continues of reds in the market that now the square foot of bench room than any other varlety of any color to date.

Every llorist who has soen RED SPORT
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All our rooted cuttings are sold untilafter Janary 25. Orders flled in strict rotation from above date on.
Price, 12 for 81.50 : 25 for $82.50: 50$ for 84.00 , postpair. $\$ 8.00$ per 100: $\$ 50.0 \mathrm{~J}$ per 1000 , by express. arrive in good condition.
A. B. Davis \& Song Carnation

## Nice ciean Stock

## ROOTED CARNATION CUTTINGS.

cheap. Enchantress, Nelson Fishor, M. A Patten, Gov, Wolcott, Boston Market, White Cloud and Mme, F. Joost. Also uronted of last , woune tues aporipmand
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READY...

| SCARLET. | Per 100 | 1000 |
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| Amerioa | 1.00 | 10.00 |
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| Apollo | . 1.50 | 15.00 |
| CRIMSON. <br> Harlowardea.. | 1.40 | 12.50 |
| Gov. Ronsevelt | 1.20 | 10.00 |
| YELLOW. <br> Golden Beauty | 1.40 | 12.50 |
| Eldorado....... | . 1.00 | 10.00 |
| VARIECATE rosperity...... | 1.40 | 12.50 |
| Marshall Fleld | . 1.40 | 12.50 |
| Stella | .. 1.40 | 12.60 |
| Armazindy | . 1.00 | 10.00 |
| Viola Allen | 1.20 | 11.00 |
|  | 1.20 | 11.00 |

Spacial prioes on large lots. Unrooted pips at half price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privllege of sxamining.

## LOOMIS FLORAL COMPANY,

## Rooted Carnation Cuttings

—All Ordins Flitiod In Rotation.——


CARNATION CUTTINGS
WELL ROOTED, FROM SELECTED STOCK.

| NELSON FISHER | $\begin{array}{r} \text { Per } 100 \\ \ldots . . \\ \$ 7.00 \end{array}$ | $\begin{array}{r} \text { er } 1000 \\ \$ 60.00 \end{array}$ |
| :---: | :---: | :---: |
| MRS. M. A. PATTEN. | 6.00 | 60.00 |
| FLAMINGO. | 6.00 | 60.00 |
| CRUSADER. | 6.00 | 60.00 |
| D. WHITNEY | 5.00 | 40.00 |
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| MANLEY.. | 3.00 | 25.00 |
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 Carnation Cuttings.$\qquad$
$\$ 300 \quad \$ 2500$
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WHITE
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Wo oan furnleh Cuitings of all the
Standard Varietios.
The Leo Niessen Co.
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\begin{tabular}{|c|c|c|}
\hline & \multicolumn{2}{|l|}{Per 100 Per 1000} \\
\hline ENCHANTRESS. & \$3.50 & \$30.00 \\
\hline QUEEN & 2.50 & 20.60 \\
\hline LAWSON. & & 15.0 \\
\hline QUEEN LOUISE.. & 2.00 & 15.00 \\
\hline WALCOTT.. & 2.00 & 15.00 \\
\hline FLORIANA...... & . 1.50 & 12.50 \\
\hline LORD. & . 1.25 & 10.00 \\
\hline FIANCEE & 12.00 & 100. \\
\hline ROBERT C. & ack, & \\
\hline
\end{tabular}

\section*{Carnation intitulys.}
\begin{tabular}{|c|c|c|}
\hline & Per 100 & 1000 \\
\hline WHITE LAWSON & .86.c0 & 850.00 \\
\hline FLAMINGO. & 6.00 & 50.00 \\
\hline ENCHANTRESS. & . 3.50 & 30.00 \\
\hline THE QUEEN. & 250 & 20.00 \\
\hline CAROINAL, from 2 & . 12.00 & \\
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\end{tabular}

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Has proven itself to be the coming white not oniy in its productlreness but in its keeping gualifies
Ita llowers demand a price equal to Pink Lewson: they simply are running rastes We heve a litze stork, hut it will not
sst, as tbe demand is gr at.
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\hline & Per 100 & 1000 & & Per 100 \\
\hline CAROINAL, new sesrlet & ... 1200 & 100.00 & ESTELLE, sea & . 3.00 \\
\hline CRISIS. new scarlet. & 1900 & 100.00 & GENEVIEVE L*RD light piol & 175 \\
\hline ECLIPCE, Doruer s pink & 1200 & 10000 & G. H. CRANE, scarlet. & 2.50 \\
\hline FIaNCEE, new (Mar. 1). & 1200 & 100.00 & G0V. WOLCOIT. white. & 250 \\
\hline ALBATROS , white & 500 & 4000 & HARLOWARDEN crimso & 250 \\
\hline CRUSEDER red. & 5.00 & 4000 & indianafo is, plak & 500 \\
\hline OOn OTHY WHIINEY, yellow & 5.00 & 4000 & THE MAh OU'S, pink. & 1.75 \\
\hline DAHEIM, crimson (Feb. 1). & 6.00 & 50.00 & MRS LIWsON deep & 3.00 \\
\hline RED LAWSON, new red. . & . 1000 & 75.00 & MRS J00 it, pink & 1.75 \\
\hline WHITE SWaN new white & . 1000 & 8000 & MORNING GLORY. ligbt pink & 200 \\
\hline RICHMOND GEM, Dew scarl & 1000 & 7500 & PROSPERITY, fancy & 3.00 \\
\hline EN HANTRESS light p nk. & 400 & 3000 & WHITE CLOUD. White & 1.75 \\
\hline FLAmiago, scarlet. ........ & 600 & 5000 & QUEEN LOU SE, white & 1.75 \\
\hline MRS. PATTEN, variegated & 600 & 5000 & BO,TON MAFKET, whi & 3.00 \\
\hline NELSON FI HER, deep pin & 600 & 50.00 & AMERICA, red & 1.75 \\
\hline THE BELLE. white. & 600 & 5000 & Flora hill, wbite. & 1.75 \\
\hline VESPER, white....... & 5.00 & 4000 & & \\
\hline
\end{tabular} \\ \(\qquad\) \({ }^{40} 500\) \\  1500 18.00 \(\stackrel{\substack{2500 \\ 1500}}{500}\) \begin{tabular}{c}
1000 \\
\(\substack{15 \\
25.00}\) \\
\hline 20
\end{tabular} 1500 \\ VAUGHAN'S SEED STORE, Chicago. \\ Greenhouses, Western Springs, ill. \\  \\ 500,000 VERBENAS varitieses.} THE LARGEST AND FINEST STOCK IN THE COUNTRY. Perfectly Healthy. No Rust.
Prize Roots d Cuttings......................................60c per 100; 8500 per 1000
 300,000 CARNAIONS \(=\)
\begin{tabular}{|c|c|c|c|}
\hline CRISIS, Kow C & (a) Scariet,....... Per 100 & .......... 81200 per & \[
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& \$ 10000 \text { per } 1070 \\
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\] \\
\hline Mrs. Ps & ... 8600 & Enchantress. & ... 8300 \$2510 \\
\hline Judge Hingd & .. 900 & Mrs. Lawbon. & 2.001500 \\
\hline Lady Bounti & . 500 & Adonis .. & ... 2502000 \\
\hline Flamingo & .. 6.00 & Harry Fend. & .. 2001500 \\
\hline Dorothy Whitney & .. 3.10 & Gov. Rnosevelt & . 1.5012 .00 \\
\hline Gibson Beauty & . 300 & Mrs: Potter Palmer & .. 1.25 1000 \\
\hline Buttercup & 300 & The Queed & \(250 \quad 2000\) \\
\hline Prosperity & - 2.00 & Mrs. E. A. Nelso & 1.501200 \\
\hline Mrs. J. H. Menley & ... 250 & White Cloud. & . \(150 \quad 1200\) \\
\hline & Per 100 Per 1000 & & Per 100 Per 1000 \\
\hline Wm. Scott & ...81.25 \(\$ 100\) & Flora Hild & ... 12510.00 \\
\hline Floriana & . 1.251000 & Portia & 1.251000 \\
\hline Lorne & 1.251000 & Queen Louise & . 1251000 \\
\hline Eidorsd & 1.251000 & Durothy.. & . 1.251000 \\
\hline Mrs. Joost. & 1.251000 & & \\
\hline
\end{tabular}

\section*{60,000 GRAFTED ROSES For Forcing. \\ THE FINEST CROWN. Orders booke 1 tor lelipary in April. May sud fune. LIDERTY, rose pots}
 \(\$ 10.00\) per \(100 ; 34\)-inch pots, \(\$ 15.00\) per 100. SEND FOR PRICE LIST.

\section*{J. L. DILLON, Bloomsburg, Pa.}

\section*{NEW CARNATION William Penn}

\footnotetext{
A seedling of Scott and McGowan. A very pleasing, salable shade of pink. Free and continuous bloomer, good babit, sid sh, uld be planted by every grower, who uses bis own flowers, becsure there are always plenty to use. 1 heve grown it for flve years and lt has given me more good saiable flowers per square foot then any other veriety i ever grew
Price per 100, 21000,25 at 100 rates. Prlce per
100087500 : 250 st 1000 retes.
FRANK L, KOHR, Lancaster, Pa.
}

\section*{ROOTED CARNATION CUTTINGS.}



\section*{ROOTED CUITINGS. \\ Fine Clean, Heallhy Stock. \\ ROSES \\ Per 100 Per \(10 c 0\) \\ 

\section*{GEO. REINBERG, \\ 51 Wabash Ave., CHICACO.}
Please mention the A merican Florist when writing.

\section*{Carnation Rooted Cuttings. \\ NOW READY. OUEEN LOUISE, fine white. .............. 81.00810 .00 MRS. POTTER PÄMERB, big scarlet........................... 1.001000 . H. CRANE, scarlet...................... 1.0010 .00 ELDORADO, yellow \(\begin{array}{ll}1.20 & 1000 \\ 1.40 & 1200\end{array}\) MARSHALL FIELO, birred....................... 1.401200 ARMAZINDY, barred, .............. ............ \(1.0010001 . .100\) MRS. JO0ST, plok................................ 1.00 . 1.40 12.50 AWSON. plak \(\begin{array}{ll}1.40 & 1250 \\ 100 & 1000\end{array}\) \\ UCCESS INLEY, pink... .................. . . . 1001000 \\ HARLOWAROEN Crimsoa........................ 1.401250 GOV. ROOSEVELT, crimson................. 1.20 10.00 UNROOTEO CUTTINGS HALF PRICE. \\ TERMS: Cash with order or C. O. D. with priFllege of examination. Express prepaid at above prices All plants warranted true to name and well-rooted. \\ HERMITAGE CARNATION CO., Loomis, Cal. \\ Carnation Cuttings}

THOROUGHLY ROOTED. BOSTON MARKET, ENCHANTRESS, MRS LAWSON, PROSPERITY, \$300 per 100; \(\$ 25.00\) per 1000 . Note! We don't quote ridiculously low prices. We simply state that we ship you the best cuttings at the least possible prices.

\section*{WEILAND \& RISCH,}

Leading Weslern Wholesale Growers and Shippers of Cul Flowars.
59 Wabash Ave., Chicago. Please mention the American Flovist when worting.

\section*{-UNROOTED-}

\section*{CARNATION CUTTINGS,}

The following at \(\$ 3\) per \(100 ; \$ 25\) per 1000 White Lawson M. A. Patten

Flamingo
Lady Bountiful \(\quad \begin{gathered}\text { Nelson Fisher } \\ \text { Crusader }\end{gathered}\)
The followiog at \(\$ 2\) per 100; \(\$ 15\) per 1000
Eochantress The Queen Bostod Market Fair Maid IMPERIAL GREEHOUSES, N. Please mention the American Flonst when writing.


\section*{200,000 ROOTED}

\section*{Carnations \\ NOW READY.}


\section*{100,000 Pansy Plants,}

Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C. O. D. with privilege of examining at express office.
Loomis \(\underset{\text { Lock box }}{\text { C15. }}\) Lornation cal. Co.


THE GREAT COMMERCIAL SCARLET CARNATION.
\(\$ 1200\) per 100; \(\$ 100.00\) per 1000.
DAVIS BROS. CO.,
Bloomshurg, Pa.


IS THE IDEAL Commercial White Carnation

Its freedom of bloom, coupled with its other meritorious qualities, will commend it to the most conservative growers. You will make no mistake by growing Fred Burki.
\(\$ 12\) per 100; \(\$ 100\) per 1000. 250 at 1000 rales.
WRITE FOR DESCRIPTIVE CIRCULAR.

JOHN MURCHIE, Sharon, Pa.
S. S. SKIDELSKY, 824 No. 241h St., Philadelphia.

\section*{Carnation Cuttings. \\ \begin{tabular}{|c|c|c|}
\hline & Per 100 & Per 1000 \\
\hline ENCHANTRESS & . 33.50 & 830.00 \\
\hline
\end{tabular}
.............. 2.50 ( 830.00

FAIR MAID... QUEEN.. QUEEN ZOOÖÖS̈ LAWSON ƠK.
CRESSBROO
CHALLENGER
MACEO
ER..
BORPERETY
PROSPERITY
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\section*{C. WARBURTON,} FALL RIVER, MASS.

Roses for Spring Blooming. The proper sorts. Clothllde, Soupert, General Cacqueminot, Ulrioh Brunner, La Franoe, Magna Jharts, Crimson Rambier, eto.; ine feld-grown plants that have never been forced, sultable for f-inch pots at 70; larger for 6 -in., at 120. Crimson Rambler, XXX, long tope, 20e. Large-fiowered Clemsilis, fuest purple, levender, white and red sorts-2-year at 18c: 1-year, at 90 . Hydrangea pan. grand., fine bushy plants, 80 . Other shrubs. eto., in cellar, priced onapplication. Packing free for cesh. W. H. SALTER, Roohoster, N. Y.

\section*{Carnations} ROOTED CUTTINGS.
Send for price list of all the new and standard sorts.
Wm. Swayne, кeneen is 5 suafe,
CARNATIONS \({ }_{2}^{\text {Fiora }}\) Hill and Joosi,
ROSES Ivory and Golden Gate, \(21 /\) is-inch, pots, \(\$ 1.50\) per 100.
H. ROSSITER,

200 Lexington Ave., JERSEY CITY, N. J.


\section*{HAVE YOU NOTICED \\ That our name is associated with only the BEST IN NOVELTIES, especially \\ Chrysanthemums? \\ If so it will be To Your Interest to Invest in all or part of the following Sterling Introductions of the year. They will lead in Future Collections. \\ CHRYSANTHEMUMS PINK QUEEN, BRIGHTHURST, KINKORA, OKOLONA and country and abroad. \\ CARNATIONS Earliest delivery in the Leaders, such as FIANCEE. FRED BURKI, chicago white, Phyllis, the cardinal and ECLIPSE, \(\$ 2.50\) \(\$ 2.00\) per doz.; \(\$ 10.00\) per 100 . \\ GERANIUMS OROSA, the Double MRS. HILL and SNOW QUEEN, the best single White Bedder, \(\$ 2.00\) per doz.; \(\$ 15.00\) per 100. Ready Now. \\ BEGONIA REX Seven Distinct and Beautiful varieties introduced by us. \\ CANNAS THE EXPRESS, the best Dwarf Crimson Bedder, awarded Gold Medal at World's Fair. Buy now and increase stock. \(\$ 1.00\) per doz; \(\$ 6.00\) per 100, dormant or started. \\ Our Catalogue for 1905 Describes All. \\ NATHAN SMITH \& SON, \\ Adrian, Mich.}


CRISISThis NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \(\$ 12.00\) per \(100 ; \$ 10000\) per 1000 .

\title{
Gold Medal Winner AT STR. LOMIS Did You See Exhibited at St. Louis the
NEW CRIMSON RED CANNA \\ \\ Mrs. Wm. F. Kasting?
} \\ \\ Mrs. Wm. F. Kasting?
}

Height, 3 1-2 feet. Most brilliant in color, most prolific of all Red Cannas. Booms all the time, and is exceptionally fine for conservatory decorations. You will need it in your business. AWARDED ON ITS MERITS, A GOID MEDAL AT THE WORLD'S FAIR, 1904.

PRICES for bulbs, ready for delivery now: \(\$ 1.00\) each; \(\$ 9.00\) per doz.; \(\$ 50.00\) per hundred. Stock limited.

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\$ 10 & \text { per } & 100 \\
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\$ 75 & \text { per } & 1000
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Red Lawson will Bloom \\
3101 against any other RED \\
Carnation on the market
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\] & \begin{tabular}{l}
50,000 Cuttings Sold \\
and not a word of complaint \\
FINE, STRONG, HEALTHY CUTTINGS
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\$ 75 & \text { per } & 1000
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W. J. Palamer de Son, Lamcaster, N. Y. Western Springs, Ill., January 10, 1805. \\
 \\

\end{tabular}} \\
\hline \multicolumn{3}{|l|}{W. J. PALMER \& SON, Lancaster, N.Y.} \\
\hline
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\title{
Adiantum Croweanum
}


> The New Maidenhair Fern, stands squarely and strictly on its merits. * * * * *

Its sterling values considered, the selling prices of Adiantum Croweanum, as here given, are unusually low:..... Strong Plants, from 3-inch pots, \$2.50 per dozen; \(\$ 15.00\) per \(100 ; \$ 125\) per 1000. 25 plants at 100 rates. 250 at 1000 rates. \(\$ 100\) per 1000 in 5,000 lots.

\section*{W. F. KASTING,} Sole Distributor, 383-87 Ellicott St., BUFFALO,N.Y.

\section*{The George Witthold Company,} 1657-1659 Ruckingham Place, CHICAGO.
Leading Plant Growers of the West.
We need not tell you about our service-THAT IS KNOWN. Just at this time we are especially strong on the following. All stock is unexcelled, clean, just the thing for winter and early spring sales.
\begin{tabular}{|c|c|c|c|c|c|}
\hline entia Belmoreana, & Size. & Height. & Leaves & Each. & Doz. \\
\hline Kentia Belmoreana, & 10 & 46-50 & 7-8 & 7.50 & \\
\hline Latania Borbonica, & 8 & 30-34 & 7-8 & 1.50 & \$15.00 \\
\hline Phoenix Canariensis, & , & 38-42 & 10-12 & 2.50 & 30.00 \\
\hline Araucaria Excelsa, & 4 & Tiers & 2-3 & . 50 & 6.00 \\
\hline Araucaria Excelsa, & 5 & Tiers & 3-4 & 1.00 & 9.00 \\
\hline Araucaria Excelsa, & 6 & Tiers & 4-5 & 1.25 & 15.00 \\
\hline Pandanus Utilis, & 5 & & & & 5.00 \\
\hline Pandanus Utilis, & - & & & & 9.00 \\
\hline
\end{tabular}

Our stock comprises Kentias, Latanias, Phœnixes, Ficuses, Araucarias, Cocoses, Pandanuses, Nephrolepises, Cibotiums, Adiantums, Dracænas, Asparagus, Crotons, Cycas, Bay Trees, Etc. Etc.

\section*{Columbus, 0.}

An interesting meeting was held at the Florists' Club rooms last Tuesday. Besides instructive talk there was entertainment by some of the club's talented members. Paul Mohre, who as a Dutch comedian has no equal off the stage, kept the large crowd in a roar of laughter. Mr. Ludwig amused the audience with his talk on the musical wife. Messrs. Emler and Cramer had negro roles. Buehler's quartette rendered the music. Carl Knopf and John Ross gave piano and cornet solos. The club decided to meet every two weeks instead of once each month as heretofore.

While business is not quite as brisk as it was a few weeks ago we consider the season well up to that of former years. We are having an unusual amount of sunshine which is telling on the crop of carnations and roses.

This city has appointed a new park commission composed of business men whose duty it shall be to make plans for additional parks, driveways and boulevards.

Carl.
Datenfort, Ia.-Otto J. Klingbiel was adjudicated bankrupt in the United States court on January 21. A meeting of the creditors will take place January 31 at 10:00 a. m. at Davenport.

\section*{Cyclamen \({ }^{\text {once transplatated rady }}\)} CyAIM only the choicest stocknothing better \(\$ 20\) per 100; \(\$ 18.00\) per 1000
C. WINTERICH, Defiance, 0 .

\section*{GERANIUMS.}

ROOTED CUTTINES.
Fifteen varieties at 810.00 and \(\$ 12.50\) pe 1000. Send for complete price llst of GERANIUMS and CARNATIONS.
ALBERT M, HERR, Lancaster, Pa,
CYCLAMEN
SPLENOENS GIGANTEUM HYBRIDS, In bud and bloom, irom 5 -inch pots. \(\$ 350\) per doz: 820.00 per 100. PRIMI LA CHINENSIS and OBCONICA GRANDI FLDRA, in bud and bloom from 4 -iach pots \(\$ 7.00\) per 100
PAUL MADER, East Stroudsburg, Pa.
Please mention the A merican Florist when writing.

\section*{IT WILL PAY YOU.}

Tuberous Begonias planted now will spring bedding plant. he will mail collections for \(\operatorname{ric} 0\), 8200 er 360 in single sad douljle separate culors ormixed. SEND NOW

HUBERT \& CO.
R. LE PAGE, REP., MT. VERMON, N. Y.

\section*{The Brockton Dahlia Farm}

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list.
W. P. LDTHROP, east brideewater,

MASS.

IOHN BURTON, Assignee for
ROBERT CRAIG \& SON, ROSES, PALMS.
and Moveltles in Desoorative Pento.
Market end 49th Sts., Philadalphia, Pa.

\section*{WM. PENN}

\section*{READY NOW. NO WAITINC.}

A pleasing shade of pink, on a stiff. wiry stem. rowth clesn and upright; no useless foliage. Flowers large enough for all ordinary purposes Will Produce More Flowers pae Square Foot Ihan Any Carnation Now Grown.
Worth growing by the thousand but rather than have you miss trying it, I will mall iree of charge 25 rooted cuttiogs frir \(\$ 2.50\); 810.00 per \(100 ; \$ 75.00\) per 1uc0; 250 for \(\$ 8.75\).

QEND FOR LIST OF OTHER VARIETIES.
Queen Louise and Lillian Pond. \(\$ 1000\) per 1000. Floriana and Harry Fenn, 812.50 per 1000.
aLBERT M. HERR, Lancaster, Pa.


\section*{Richmond Gem.}

The finest commercial scarlet ever introduced. Place your order carly. Send for circular.

Price, \(\$ 10.00\) per 100 ; \(\$ 75.00\) per 1000.

\section*{B. K. \& B. Floral Co. RICHMOND, IND.}

\section*{SPECIAL OFFER}

\section*{Of Florists' Orchids.}

We Want More Room for Large Importations. Cyprlpod lum Inslgne, 5,000 eslablisbed unflow ered growths, \(\$ 8.00\) per 100; \(\$ 75.00\) yer 1000 . Cypripedlum Calroeum, 1000 established un lowered growtha, 82000 per 100
Cyprlpedlum Lawrenosanum, 1,500 established antlowered growths 825.00 yer 100.
Dendroblum Formosum Cigentoum, The lorists' white orchid established plents, 8 to 10 bulbs. 8000 per 12; \(\$ 70.50\) per 110 .
Vande Coorulea, The forists' blue orcbld. A rare opporta, Established plants, 10 to 12 leaves, \(\$ 15.00\) per 12; 12 to 15 leaves, \(\$ 22.00\) per 12 All clean, healthy plants. For other quota tations, see our catalogue, to be had from

\section*{Julius Roehrs' Exotic Nurseries, Rutherford, N. J.}

\section*{Pansies}

Giant. Guaranteed to please, \(\$ 2.00\) per 1000 ,
iberal count. Primula, Obo. Grandid., pink ohades mixed, in bloom, 2-in., \(1 / 2 \mathrm{c}\). Alyasum. Giant double, 20. Heliolrope, blue, 11/2c. Fucheia. 20 Asp. Sprengen, 2-in., \(11 \%\). Plumosua Nanus, \(13 / 10\) 1×c: 3-in. 40. Rooted Cullings. prepald. per 100: Alyssum, Glent, 75c: Ageratum, Guroey, 500 ; Alter nanthera, best red and yellow, 45 c ; fall rooted, extra strang, 5co: 84.50 per 1000 Fuchsia, 5 fine sorts.81.25. Giant Marg. Dalsy, white, \(\$ 1.00\). Rose Geranium. 81.U0.
\(\qquad\)
BYER FLORAL COMPANY Shippenshurg, Pa.

\section*{Paris Daisies.}

ASPARACUS PLUMOSUS NANUS, Extra heavy. 2 in. \(2 \mathrm{c}: 3-1 \mathrm{n} .4 \mathrm{c}\)
ASP. SPRENCERI, 2-inch, \(\$ 1.75\) per 100. HARDY PINKS, large fleld-grown, 5 sorts, 5 c . UMERELLA PLANTS 2-in. noe, \(2 \%\) c.
PARIS DAISY, Giant 2-inch, 2l/20.
ABUTILONS, 4 varietles, 21/s-inoh, 30
rooted Cuttiogs, prepaid: Hollotrope, 81 per 100 Ageraturm, Gurney, Pauline 50c per 100. Selvia Splendeds, Bonflre, 803 per 100 Fuohala, 5 best varietles, \(\$ 1.25\) per 100. Mardy PJnke, 7 varie ties, some everblooming. 750 per 100: 87.00 per 1000. Obl. Petunlas, 10 finest, 81.00 per 100 Rex Begonlas, 15 sorts, \(\$ 1.10\) per 100. Aliap ranthorg 2 reds, yellow. \(\mathbf{y}\).00 per 1000 . Vor one, per SWainsona Alb, 50 pe booming Farcetemeonote, \(\$ 1.00\) per 100. Arililory plant, 750 per 100.
\(\qquad\)
BYER BROS, Chambersburg, Pa.

\section*{CANNAS} STRONG EYES.

Per 100 Per 1000
2,500 Chas. Henderson............... Per 100
818.00

1,000 F. Vaughan. . . . . . . . . . . . . . . . . . 2.00 . 18.00
,000 Mme. Crozy . . ...................... 2.00 18.00
Parnations 300 Flamingo, 300 Lady Bountiful
GdIllions 50 Indianapolis, at \(\$ 5.00\) per 100, or will exchange for Nelson Fisher.

FURROW BROS., Guthrie, Okla,
Please mention the American Florist when writing

\section*{OUR SPECIALTIES: \\ "Superior Quality" Brand Wild Smilax, always on Hand. \\ XX Fancy Hudson River Violets.}

\section*{A DAILY CUT FROM 40 to 60 GROWERS. \\ We Can and Will Fill Cut Flower Wants to Advantage.}

The Most
Complete Line of

> Florists'
> Supplies

In the West.
"Perfect Shape" Brand Wirework, Etc.

Our growers have "kept in line" on the better new sorts of CARNATIONS and as a result we are now able to supply blooms that will stand distance shipping and be "worth while" after you get them. Also our line of ROSES, both Teas and Beauties was never better. Hudson River VIOLETS are a specialty with us, and we are getting in some quantities of this flower that can be termed XX Fancy.
If a buyer of Flowers of any kind, Greens, etc., we can and will make it an object for you to send us your commands.

\title{
E. F. WINTERSON CO.
} 45-47-49 Wabash Ave., CHICAGO.

Please mention the American Florist when wwiting.

I have over 40,000 Cannas in first-class plump condition, True to Name. Will sell them af the following low price for 30 days only from this date; 5 per cent discount for cash with order. Beaute Poitevine, Capt. Drugan, David Harum, Duke of Marlborough, Defender, Florence Vaughan, Francis Billard, Gloire Lyoniese, J. D. Eisle, Kate Gray, Mile. Berat, Mrs. R. A. McKeand, N. R. Ruckle, Philadelphia, Robt. Cristy, Roy de Rouge, Souv. de Ant. Crozy. The above \(\$ 2.00\) per 100; \(\$ 1800\) per 1000. Niagara, \(\$ 3.00\) per IC0. Pres'. Vigar, \(\$ 400\) per 100. Black Beauty, \(\$ 8.00\) per 100 . Egandale, \(\$ 3.00\) per 100 .

\title{
Carnations \\ I offer nothing but first-class healthy cuttings well rooted. Cardinal, \(\$ 12\) per 100 Boston Market, Enchantress, \(\$ 3\) per 100. Peru, White Cloud, Q. Louise, Floriana, \(\$ 1.50\) per 100. T. W. Lawson, \(\$ 2\) per 100.
}

\section*{FORYOURWANTS}

\author{
\(-\quad 1 \mathrm{~N}\)
}

ROSES, BOSTON, PIERSONI and SCOTtII FERNS, ASPARAGUS PLU. MOSUS and SPRENGERI, CARNATIONS, CHRYSANTHEMUMS and miscellaneous stock, Write
GEO. A. KUHL, Pekin, III.
Grower For the Trade.

COLEUS
ROOTED CUTTINGS
Verschaffelt1i, Fire Brand, Golden Queen, Beck. with's Gem, Lord Palmerston, Qupen Victoria with's Gem, Lord Palmerston, Queen Victoria and Fancies, 600 per 100, \(\$ 5,00\) per 1000 \% Golden Redder (origios, and Hero zoc per 100; n 10,10 or more Coleus. Moro libersl discount on large orders.
Aceratum, Princess Pauline and Stella urney.
SALVIA, Spleudens add Jean Revenal, rooted uttings, 7oc per 100: \(\$ 6.00\) per 1000 .
VINCA VARIECATA, 3-in. pots, \$500 per 100.
FRANK A, PIERSON, \begin{tabular}{c} 
crommell \\
conN. \\
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\title{
ROOTED \\ Carnation \\ cutings
}

\section*{Orchids!}

CAITLEYA MENDELII, just arrived in ine condition a shipment of this aoarce and beautiful Orchid. Also Lælia Anceps and Onoldium Tigrinum, otc. Write for specish list No. 14.
Lager \& Hurrell, suMMIT, N. J.
Orchid Growera and Importers.
Please mentian the American Florist when writing.


The two best sorts. LORD FAUNTLEROY, (dwart). BONFIRE, (tail). Rooted cuttings, \(\$ 1.00\) per 100 ; \(\$ 8.00\) per 1000 .

Send For Our List of olher Slock.
The W, T, BuCkiey Co, springfield. PANSY PLAMTS THE JENNINCS
Fine piants, fancy colors, large flowering. Large planta in bud and hoom, \(\$ 1.00\) per 100 \$200 By mail Tss per 100 . pkt.; 85.00 per oz. Caah with order
E. B, JENNINGS, 1 ,ow bot 244 grower of the finest pansies.
Please mention the Americin Florist when writing.

\section*{Peacock's Dahlias} For plants or bulbs address L. K. PEACOCK, Dahlia Specialist, ATCO, N. J.

\section*{GARDENIA PLANTS.}
(GRANDIFLORA CAPE JESSAMIVE.)
Our leading specialty. Natural growing conditions here ideal; size tells ita own story. We
 year, 18 to \(24-1 \mathrm{n}\), , \(\$ 1.50\) per doz.; \(\$ 10.00\).
C. W. BENSON, Alvin, Tex

\section*{BOSTON FERNS.}

Extra fine stook, cut from bench now ready for 5. 8, 7 and 8 -inch pots. at \(82500,850.00\), 875.00 and \$100 00 per 100 . KENTIAS, RUBBERS, ASPARAGUS PLUMOSUS NANUS. Cash or reference please
L, H, FOSTER, 4S King Sl. \(\mathrm{DORCHESTER}\),

\section*{A \\ sparagus}

Plumosus Nanus
Decorative Plants.
R. DREYER, Woodside, L. I., H. Y.

\section*{Asparagus Plumosus,}

50 GENTS PER STRINC.
Carnalion Blooms and Rooted Cultings. Good stock.
W. H. WATSON, Lapeer, Mich.

Representing Joaeph Heacock and John Burton, Assignee.
PALMS, FERMS, CROTONS sed OECORAIIVE PLANTS.



\begin{abstract}
\(\begin{array}{ll}\text { White } & 100 \quad 1000\end{array}\)
\end{abstract} resper.......... 85.00 Vesper........... \(\$ 5.00\) ,

The Wholesale Florist of
PHILADELPHIA.

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inclusiye. inclusive. W. E. Fischer, Sec'y, 18 Union Terrace, Jamaica Plain, Masa.
Buffalo, N. Y -Buffalo Florista' Club, 383 Ellicott street. Second Tuesday of each month at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware aveae, Buffalo.
Butte, Mont.-Montana Florists' Club. Columbia Gardens. Second Friday in each month. S. Hansen, Sec'y, W. Galena and Excelsior streets. Chicago, Ill-Chicaga Florista' Club, Handel Ball, 40 Randolph street. Second and fourth Whenhoeber, Sec'y, 413 Elm street, Chloago.
Cincinnaty, O.-Cincinnati Floriste' Society, abez Elliott Flower Mariet. Second Saturday of each month, at 8 p m. Geo. Murphy, Sec'y ta. F., Clincianati, 0 .
Cleveland, O-Cleveland Florists’ Club rogress hal, 4 Detroit grreet. Second and fourth Monday of each month, at \(7.30 \mathrm{p} . \mathrm{m} . \cdot\) Isaac
Kennedy, Sec'y, West Park, 0 .
Davenport, 1a.-Tri-City Florists' Club, meets in Davenport, Rock Island and Moline, alter nately, second Thursday of each month. H
Denver, Colo.-Denver Floral Club, 323 Charle Block. Second and fourth Friday of each month t 8 p. m. Adam Balmer, Sec'y.
Detroit, Mica.-Detroit Florista' Club, Cowie Building, Farran and Gratiot avenue. Firat and third Wednesday of each month at 8 p. m. J. F Sullivan, Sec'y, 214 Wood ward avenue.
Grand Rapide, Mice.-Grand Rapids Florista Club, Board of Trade rooms, Pearl sireet. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich
Hamlton, Ont.-Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m Cbas. M. Webster, Sec'y.
Hartrord, Conn- - Hartiord Florlste' Club. pecond gnd W . W. Hunt, 80 ann street, Hartiford
Indianapolis, Inv.-State Florists' Absociation of Indiana, Commercial Club rome, [ndianapolis. First Tuesday of each month, at 7:30 p. m Fred. Huckriede, Indiana polis.
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Montreal, Que.-Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St . Catherine street. First and third Monday of each month
W. H. Horobin. Sec'y 23 Closse etreet.

New Bedford, Mass.-New Bedford Florists club, eecond Thursday of each month. Wm P. Pierce, Sec'y.

New Lonnon, Cons,-Gardeners' and Florists' Club, first and third Tuesday of each month at greenhouses of secretary. H. H. Appeldorn, Sec'y NEW Yose, N. Y. -New York Florists' Club, Grand Opera House Bldg., 8th avedue and 23d St Second Mondsy of each month, st 7:30 p. m. John Youn
Omaba, Neb.-Nebraska Floriats' Soclety, Clt Hall. Second Thuraday in each month at 8 p. m. Louls Henderson, Sec'y, 1 mig Farnam pireet, Omaha. Beadersod, sec y, Pbiladelpgia, Pa.-Floriata' Club of Philadelphia, Horticultural Hail, Broad street above Spruce. First Tuesday of each nooth, at 8 p. m. Edwin Lonedale, Sec'y Wyadmoor, Philadelphia Prtereburg, Pa.-Pitishurg and Allegheny Flo\({ }^{\text {rists' }}\), and Gardeners' Club, 432 Sixth Avenue. Second Thursday of each month, at 8 p . m H. P. Joslin. Sec'y, Ben Avon, Pa.

Providence, R. I.-Florista and Gardeners Club nf Rhode Island, 98 Westminster street Providence. Second Thursday of each month, at 8 p. m. Wm. E. Chappell, Sec'y, 333 Braach avenue, Providence.
Riegmona, lnd.-Richmond Florists' Club, at the gremohouses of memhers. Third Monday
of each month. H. C. Chessman. Sec'y. of each month. H. C. Chessman, Sec'y. Salt Lare Cuty, UTar,-Sart Lake Floriate Soclety, office of Huddart Floral Company, Friday of each month. P. T. Huddart, Sec'y. SAB Francreco, Cal-Pacibc Corst Horticultural Society. Firat saturday and third Monday of each month. Thos. H. Munroe, Sec'y,
ST. Lours, Mo.-St. Louis Florista' Club, Odd Fellows Hall No 2, Ninth and Olive streets Second Thursday of each month, at 2 p. m. Emil Schray, Sec'y, 4101 Peoneylvanla avenue, St. Louis.

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\section*{The Allied Trades}

Descriptive particulars-with drawings or photographs, if possible-of any new appaphotographs, if possich inay prove helpful to the trade are solicited for this department.

\section*{Returning Water to Boiler.}

Ed. Am. Florist:-I enclose a rough plan of houses heated by steam, condensation being returned to boiler by low pressure steam pump in connection with float and automatic valve. The ground level of houses is 12 feet higher than boiler house floor or 15 feet higher than receiver pit. Could this water be returned by gravity? If so please state conditions, etc., requisite. Two other returns empty in same receiver but from houses practically on boiler level. Boilers are \(18 \times 60\) feet, tubular and 100 H. P. each. Have never used a gravity system, but am told that should be able to do so. If the system could be applied, please favor me with general principles for application and oblige.

Doubtrul.
There should be no difficulty in running a system by gravity if no more than five pounds pressure are carried. If care is taken to maintain a steady pressure, good results will be secured. If the present receiver is arranged so that its top will be upon the same level as the top of the boiler, it will equalize the return of the water. The bottom of the receiver should then be connected with the bottom of the boiler and a check valve should be placed in the return pipe.
L. R. T.

\section*{Greenhouse Heating.}

Ed. Am. Florist:-I have a house 100 feet long, heated by hot water with two \(21 / 2\)-inch flows rising gradually from the boiler till they enter greenhouse about 30 feet distant. From here they rise to the other end of house then drop to the coils on each side, which consist of five 2 -inch pipes in each coil. The circulation does not seem to be rapid enough. The lowest pipe is very slow, hardly ever getting warm at the end nearest the boiler. I think we have ample feed, a \(21 / 2\)-inch pipe to each coil. I am of the opinion that the alterations shown by the dotted lines in the enclosed sketch would improve matters, but want to be certain before making the change. You will notice that the flows rise to the far end of the house. I propose to make them fall. Also the return mains from the coils to boiler header are on a dead level, a distance of about thlrty feet. I think I can give them nearly 10 inches fall. Would these changes improve the circulation in lower pipe of colls? Should the overhead flow pipe in hot water heating flow up or down to far end, after enterligg the greenhouse?
B. B. B.

As a rule, the best results are secured, everything else being equal, when the flow pipe runs down hill. Instead of having them run up-hill as is now the case, it would be hetter if they can he arranged to run down-hill provided the highest point of the system can be at least as high as it is as
now arranged. If I understand the drawing as submitted, it is proposed to have the horizontal run of the flow pipe start at the same point as at pres ent and then down-hill. Unless the coils are considerably above the boiler, I would not expect this arrangement to give any better and probably not as good a circulation as is now secured My plan would be to have the flows rise from the boiler to a point \(21 / 2\) or 3 feet below the level of the ridge and then run horizontally with a fall of one inch in ten or fifteen feet to the farther end of the house where they should connect with the coils. These should have about the same fall as the returns, remembering that the higher they are kept, the better the circulation. While it will be well to attempt to lower the boiler as proposed, the flows and returns should merely have fall enough to free them of air.
L. R. T.

\section*{Washington.}

Market is Steady.
Though last week's volume of business was not quite up to the high mark of the week before, there was a steady demand for good stock. The weather has been more favorable to the growers than any week since the beginning of winter. One result is a great increase in the quantity of carnations, but prices are holding up very well. Paper White narcissus is plentiful and has been selling well. Daffodils are more plentiful than a week ago, and sell well. Tulips are plentiful and in good demand though not generally so good in quality as they were last season. Calla lilies are plentiful enough to fill all requirements. There is a considerable quantity of lilac in sight and it is moving freely both in pots and cut for decorations.

The following advertisement has recently appeared from day to day in a local newspaper:
"Fragrant violets are fresh picked, home grown. The dark New York state violets are stale when you get them."

It is unnecessary to discuss the questionable propriety of such advertisements under any circumstances. The writer of these notes has no personal or business interest in any of the New York violet growers or dealers but he is interested in truth. justice, fair play and fair trade. There are no better violets sold in the city of Washington than those which come from New York, and I here challenge the author of the foregoing "foundling" to deny my statement over his own signature.
notes.
Several of the syndicate writers. who browse around Washington in winter, have taken a sudden and mysterious interest in Luther Burbank. His fadeless flowers, stoneless plums and spineless cacti are to them sources of wonder and admiration. That Mr. Burbank can do things in borticulture is not news. But there are in this capital a number of men who once lived in Missourl and they "want to be shown" some of the things whlch the "synds" are now writing ahout.

Mrs. Esch, who died recently in this city. bad heen for forty years or more in the florist business. Abont a year ago she gave a lease of her green-
houses to Hammer \& Sons and retired. She was well known and highly respected by the dealers and patrons of the Center Market, where for many years she sold the products of her greenhouses. Her son, Albert F., has but recently opened a retail store at G and Fifth streets, N. W.
J. Louis Loose has entered suit in the circuit court of Alexandria, Va., against the Southern Railroad Company for \(\$ 20,000\) damages. In the declaration it is alleged that the greenhouses, flowers and other property of the plaintiff, in Fairfax county near Alexandria, have been greatly damaged by smoke and cinders from the company's shops and engines.

Theo. Dietrich is supplying Geo. Shaffer with good mignonette and sweet peas. Mr. Shaffer has in his window a bunch of Clark Brothers double poinsettias, which show up well.
Mrs. Rosine Stauff is doing quite a lively commission business in carnations grown in the northern sections of Maryland.

Alex B. Garden is sending out from his forcing house a good quality of lilac, tulips and narcissi.
S. E.

\section*{Instructive Reading.}

American Florist Co.:-Enclosed please find money order for \(\$ 1\) for the renewal of the American Florist for 1905. We are well pleased with the paper and find a lot of instructive reading in it.

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DILLON GREENHOUSE MF- CO., Bloomsburg, Pa.


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'Тhe American Flobist
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\section*{TTHE AMERICAN FLORRIST}

\section*{Twentieth Year,}

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\section*{published every Saturday by}

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Volumes balf-yearly from August, 1801
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Officers-J. C. Vacgan, Chicago, presideat; J. R. Freeman, Washington, D. C., vice-presi11, Boston. Mass., secretary; H. B. Beatty, oil ©ity. Pa., treasurer. Twenty-first annual meeting at Wiashington, D. C. Angust, 1905.

THE AMERICAN CARNATION SOCIETY.
Annual convention at Boston, 1906. Albert I. llerr, Lancaster, Pa., secretary.

\section*{AMERICAN ROSE SOCIETY}

Annual meeting and exbibition, Boston, Mass., harch 23-26, 1905. Wm. J. Stewart, 11 liamilton Place, Boston, Hass, secretary

CHRYSANTHEMUM SOCIETY OF AMERICA. Annual convention and exhibition, November, 1905. Fred. H. Lemon, Richmond, Ind., secretary.

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\section*{Lewis and Clark Exposition.}

TO BE OPENED AT PORTLAND, ORE., JUNE 1, 1905.


\section*{The Model Farm}

An experimental garden or model farm where will grow every variety of every different kind of plant which con tributes to the food of man or domesti cated beasts, will be a feature of the Lewis and Clark Exposition which will open at Portland, June 1. Growing grasses, forage plants, vegetables, flowers and firuit trees will grow side by side, giving an impressive object lesson to visiting agriculturists.
'This novel exhibit will be located in a small canyon which was utilized years ago by chinamen as a truck gardén. The soil is rich aud productive, and only practical cultural methods as applied to gencral farm conditions will bo employed in making this live exbibit.

The agriculture scetion will be devoted to the growing of various for age plants, including about a dozen varieties of the domestic grasses commonly grown in Western Oregon, four
of clover, four of field peas, three of vetch, alfalfa, two varieties of mangelwurzel, three of turnips, two of field carrots, rape and kale.
There will be about seventy varieties of vegetables best suited to the climate and soil of the Willamette valley. The different kinds of vegetables shown will include cabbage, brussels sprouts, cucumbers, onions, celery, corn, melons, peppers, tomatoes, squash, cauliflower, lettuce and hops. There will be grown several varieties of Bohemian hops, a portion two years of age and the remainder one year, to convey an idea as to the growth of hops on Willamette valley soil at their respective stages.
A number of varieties of cloice orchard and small fruits bave been planted and many of these although only one year out will be fruiting during the exposition. One section will be devoterl to an exhibit showing the methouls employed on the Pacific coast in training orchard and garden plants. While no one expects to see a fully. grown orchard at an exposition, it will be a novel sight to see a real young one bearing its first crop of fruit, from rasp. berries and blackberries througb currants, gooseberries, quinces, cherries, pears, plums, peaches, apricots and apples. Under the usual climatic conditions the crons should be Well advanced and will afford much interest to visitors.

In floriculture there will be various plats filled with over fifty varieties of annual and perennial flowers, incluting asters, carnations, cosmos, eschscholzin, hollyhocks, nasturtiums, single and double petunias, verbenas, ute.
Centennial park, the natural portion of the exposition grounds, is an exhibit itself of the wealtin of trees and flowers which Oregon produces. It was laid out by an expericnced landseape artist with \(a\) view to making the most of the natural scenic beauty of the site. On the crest of a hill on the south end is a great bed of roses of every variety, which flower blooms all the year rounin at Portland. Extending from this point is a network of roads and paths wind.
ing among the grassy slopes, which are thickly dotted with trees and shrubs, both evergreen and deciduous, of thirtysix varieties, all native to the Oregon country.

\section*{THE ROSE.}
J. F. Sullivan, secretary of the Detroit Florists' Club, staged in good condition, at last week's carnation exhibition in Chicago, some blooms of the new rose, Richmond, which had been exhibited in his city seven days previous.

\section*{Propagating.}

The first of the year generally finds the rose grower taking stock, and it is a good time to decide first what you prefer to grow another season. lt is necessary to do this early in order to propagate just what will be required as to quantity. Perhaps some of the new varieties have proved quite profitable, and we wish to double the amount to be grown in the coming season either by grafting or by taking cuttings. Some of these may not make as much wood for this purpose as the older varieties such as Bride, Bridesmaid and Golden Gate. If such is the case propagating should be started at once. If any great amount of stock is required for the trade, of course it is time to start in all around. But it should be remembered that to rob the plants of too much wood suitable for good, strong cuttings, particularly at this time of the year, will do considerable harm, therefore take the wood sparingly. If only enough plants are required for home planting February will be time enough to make a start. Propagating later has its advantages, as this wood will be more plentiful and of better quality and may save a shift of the small plants, thereby savIng tlme when we have so little to spare.

There has been a great deal said from time to time \(\ln\) regard to the best wood for cuttings. For Bride, Bridesmaid and Golden Gate, short stemmed buds that usually come with three or four eyes, closely jointed, will be found to be the best. The blind wood, if clean and strong, is almost as good. Both should be used for heel cuttings.

It is better to take them before the foliage as the tip becomes ripened too much. A little of the red tint in the foliage should still be showing. The heel will be found firm enough to root readily and the tips will gradually ripen after the cuttings are in the sand.

In taking American Beauty cuttings great care should be observed in securing the wood. The extremely long canes have only a few cuttings in the middle that strike readily. The tips will be found too soft and the wood at the base of the cane too hard. Select the short jointed wood found in the shorter blind canes. It will be found to run more uniform. If canes have lost their foliage and have made a short jointed growth at the top, such tops make good cuttings. The cuttings can be made with two or more eyes, according to the distance between joints. ln selecting any and all cuttings select wood free from spider, mildew, streaked foliage, etc It pays to use only the very best.

The cutting bench should have bottom heat sufficient to bring the sand up to a temperature of \(68^{\circ}\) to \(70^{\circ}\) and a curtain should be tacked on the side to retain the heat. The tempera ture of the house should be \(56^{\circ}\) to \(58^{\circ}\) at night and allowed to run up to \(65^{\circ}\) or \(70^{\circ}\) on bright days, but with plenty of ventilation at all times, but avoiding all draughts. Keep the walks sprinkled regularly and have everything connected with the propagating house absolutely clean. Before putting in the sand wash the bottom of the bench thoroughly and after it becomes dry give it a good white washing, adding a teaspoonful of carbolic acid to a bucketful of whitewash. The bench shouid be about seven inches deep and use about an inch or so of drainage, using fine cinders or fine gravel washed clean. Fill up the space left with good clean, sharp sand of medium grade. Coal ashes screened to about the same grade may be used, but the sand will produce roots less brittle and not so liable to break off in potting. Pack the sand as firmly as possible, leaving it level when finished and firm enough to stand considerable pressure from the finger tips without denting. Water thoroughly until the water drips through the cracks at the bottom. After it has stood for a while


AGRICULTURE AND EUROPEAN BUILDINGS, LEWIS AND CLARK EXPOSITION.
it will be ready for the cuttings
Take off only enough wood to be used up while fresh. Sprinkle the wood before making it up and keep the cuttings sprinkled from time to time until they are placed in the sand. For Bride, Bridesmaid and Golden Gate make a clean cut at the heel, as before mentioned. Trim the foliage away from the base of the cuttings high enough to give them a firm hold in the sand, from one to two inches, according to the length of the cutting. The foliage will need no trimming if one has an abundance of room, except removing the small buds from the flowering wood.
Take a strip long enough to reach across the bench on the inside. This can be made three inches wide and one-half to tbree-fourths of an inch thick and used for marking off the rows. With an old table knife make a clean cut in the sand not quite as deep as you wish to place the cuttings. Allow for them to be shoved just a lit. tle below the depth of the cut and they will be held more firmly. Place the tallest cuttings at the back of the bench. Do not allow the foliage from one row to overlap the next one, particularly with American Beauty. They should have lots of room and in putting them in the sand slant the cuttings a trifle, or just enough to keep the foliage from lylng in the sand. Press the cuttings the full length of the row with the finger tips, pressing downward. This should be done only on the side you are working from. Water from time to tlme as you are putting in the cuttings so as to keep them fresh. Sprinkle over the top with a fine rose on the can. On all bright days keep the sand quite molst until root action takes place. A barrel of water kept in the propagating house for watering the cuttings is a great help, as the chill is then taken ofi the water. This should not be overlooked.

Cheese cloth can be used for shad. ing the cuttings arranged in such a manner that it can be removed on cloudy days or late in the afternoon on bright days. It can be strung on wires or fastened to light frames, the position of the cuttings, style of house, etc., suggesting the manner of shading. Dairy thermometers will be found useful in taking the temperature of the sand. The cuttings will begin to make roots \(\ln\) from fifteen to eighteen days and should be potted off when the roots have attained a length of about one-half Inch. Pottlng and the care of the young plants will be mentloned In another issue.
E.

\section*{Best Outdoor Varieties}

Ed. Am. Florist:-We wish to plant several hundred roses in the field for summer blooming. The temperature never goes below \(22^{\circ}\) below zero and seldom below \(14^{\circ}\) in winter. What varieties are best for this work, also what climbing rose would do well in gravelly soil to cover road fence for show purposes?

Colorado.
In early spring plant good sized red and white Maman Cochet, President Carnot and Kaiserin Augusta Victoria. Crimson Rambler and Rosa Wichuraiana should answer for covering the road fence.

\section*{Poinsettias.}

There are now several distinet parieties of Euphorbia puleherrima (as now designated). For market purposes the old name seems likely to remain with us, says a correspondent of the Horticultural Advertiser, puhlished in Eng. land. In regard to varieties, some years ago the early variety, which is not of quite such an intense searlet, was known as Kermesina, the bracts of
provided the weather is not too severe, there is always a very large demand for them at Christmas tinie. When used for cut bloom they will be found to last much longer if the ends are dipped in hot water as soon as eut off from the plants.

\section*{Double Primulas.}

I often wonder why the double primula is not grown more extensively. I


TRAIL AND ESPLANADE AT THE LEWIS AND CLARK EXPOSITION.
which have a level surface and a more regular margin than the true type. A good many seedlings have been raised at different times, and a few of them have been given distinctive names. Major is one name applied to the early variety, whieh seems to elosely resentble Kermesina. One great recommendation for this is that it is hardier than the others. I noticed this in the market, these standing up well while in the ordinary form of pulcherrima the bracts were all drooping down. Of course, the temperature they are grown in makes a considerable difference and it does not seem necessary to give so mueh heat for the early variety, in fact it is much easier to grow it well. There is no doubt that poinsettias are often given too much heat. They may he grown in a pit or bouse without any artificial heat eluring the summer, but to finish them off well they must be given warmtli before the nights get too cold in the antumn. Left in a coln position they may remain for a long time without apparing to suffer, yet the leaves will fall of soon after they are given a little warmtli. It is better to give heat early and then rednce the temperature a little after the bracts are well developed. The varicty pukeberrima plenissima is the most ilifticult of all to grow, yet it is wneth looking after, for the adlitional bracts from the eenter add much to its ralue, and it also comes in later than ally others. The white variety does not sell quite so readily, yet it is sometimes wanted, and I have known it make bettor prices than the scarlet, when well finished. There is, perhaps, a little uncertainty in the demand for poinsettias in the market, yet when well done they will generally eommand good pribes. And,
do not kuow of any fowering plant that is so satisfactory as the double primula fol greenhouse decoration or for window decoration in florists stores, if properly handled. It makes a good companion plant for Gloire de Lorraine begonia. Some thirty years ago it was grown extensively by florists as a pot plant and brought a good price at Christmas. The flowers were also used for floral designs and they were found useful when other white flowers were scarce.

The double primula is propagated from euttings, or by divisions of the
plant, with some roots attached to each. About March 1 prepare some chopped moss, mixed with sand, and place on top of soil around stem, close to the lower leaves. Keep the moss moist and when it is well filled with roots divide the plants by cutting the ball of earth into three or four parts, aceording to the number of well rooted divisions. The pieces that are not rooted ean be potted in \(21 / 2-i n c h\) pots in light sandy soil. Keep close and shaded until well rooted, then remove to cool end of greenhouse, giving them more air, light shade, and a place on shelf or raised benehes near the glass. Repot when the pots are well filled with roots, using unsifted soil in a mixture of two parts sandy loam, one part decayed cow manure, one part half decayed leaf soil, one part sand, and some charcoal. Give the plants a good watering through a fine rose to settle the soil. Apply water under the leaves, as, if watered overhead the plants will damp off; never water unless the plants are really dry. If the soil is kept too wet it will become sour and the roots will rot.

Remore the plants to open frames in summer. Shade from hot sun, using canvas fixed on frame and raised about three feet above the plants. Remove the shading at night and in cloudy weather. Remove to eool house early in September. shade lightly and keep near the glass.

Robert Shore.

\section*{Cultivation of Trailing Arbutus.}

It is said that the trailing arbutus, which ordinarily is a most diffieult plant to establish in the garden, may be readily transplanted if one will select the small seedlings and remove them with plenty of earth. It is practically impossible, according to the American Botanist, to transplant large elumps. The plants may also be raised from seed; but owing to the fact that this species is practically diœeious with perfect stamens and pistils on separate plants, there are many blossoms that cannot set seed. It is said that the sex of the blossom is often indieated by the color, the pate blossoms being staminate and those of deeper color pistillate.


GLIMPSE OF NATURAL PARK, LEWIS AND CLARK EXPOSITION.

\section*{THE CARNATION.}

Robert Cbalg states that in his judgment Variegated Lawson will outbloom Mrs. M. A. Patten two to one.

Dick Witterstaetter's Aristocrat was always the center of an admiring group at last week's exhibition. His other seedlings were not overlooked.

Fred Burki was omitted from our report of the exhibition of the American Carnation Society. It made a good showing among the numerous uew candidates for honors.
C. C. Pollworth sends a copy of the Milwaukee Sentinel of January 29 showing a colored page of carnations with portrait of the late President McKinley. The same paper devotes another half page of the same issue to the Carnation League of America and Mr. Pollworth assures us that this was of great value to the trade of his territory.

\section*{Notes on New Varieties.}

MRS. W. L. LEWIS.
A new white which will be dissemminated in 1906 by the Lewis Conservatories, Marlboro, Mass. This seedling is in its fourth year and birls fair to be a good commercial variety. It is a continuous bloomer and is remark. ably free. The accompanying illustrations are reproduced from photographs taken about January 1. The following are some points of the new variety:

Pedigree, Mary Wood x Flora Hill; color, pure snow white; fragrance, very strong of clove, and very pleasing; size, large, averaging 3 to \(31 / 1 /\) inches, and has a good, stiff stem 18 to 20 inches in length; flower, full, stiff petaled, well fringed and symmetrical, with a bigh center; habit, strong and prolific; grass, medium width; calyx, long, strong, and a burst calyx is something that has never been seen since its origin; a fine keeper and excellent ship-


WIITERSTAETTER'S CARNATION ARISTOCRAT.-No. IV-1021 B. (See page 10f7, issue of Jinnury 21.)
per; constitution, vigorous and free from disease.
mary albert.
Among the meritorius new whites is the new white seedling carnation, Mary Albert, which will be introduced by Davis Brothers Company, Bloomsburg, Pa. This seedling is three years old and has been thoroughly tested and found to be satisfactory in every way. The blooms are large, measuring from 3 to \(3 \frac{3}{4}\) inches, fragrant, beautifully fringed, of purest white, and do not burst. The stems are from 30 to 36 inches long, stiff and wiry. No surplus grass is produced, and yet is a very robust grower. Blooms early and continuously throughout the season, and is an excellent keeper and shipper. Parentage, G. H. Crane x Flora Hill.
senator crane.
Senator Crane was originated by Edward Dolby, gardener to Zenas Crane, Dalton, Mass. The flowers are a pleasing light pink shade, with strong fragrance, making it, with its other good qualities, a variety of sterling merit. It is in its third year, and the stock will beworked up and disseminated by Robert C. Pye, Nyack, N. Y.

KINGSTON PET.
A sport from Enchantress introduced by Valentine Burgevin's Sons, Kingston, N. Y. Color, a clear, glistening pink; habit, as strong as its parent, very free flowering, never bursts the calyx; size of flower, \(31 / 2\) and 4 inches. A good keeper.

\section*{Carnation Fred Burki at Home.}

The new white carnation, Fred Burki, introduced by John Murchie, Sharon, Pa., is a variety that appealed to your writer more than anything in the commercial class for some time. The originator claims many good points for this variety, but if you could see it at home you would agree that it has even more points than are claimed. To begin with, the cuttlngs are numerous and root very easily. After rooted the plants grow very rapidly and by keeping them properly topped you can have as bushy and healthy looking plants as you could desire. When benched the plants go right ahead, losing no time in making buds, and a very good crop can be looked for in November. Owing to the heavy demand for blooms your writer did not have the pleasure of seeing a full open flower. However, a good many seen would average easily a good deal over three inches. The bloom is a very neat substantial one, having the appearance of being able to stand a great deal of rough handling. Judging from the stem that carrles the blooms Mr. Murchie must have a wire works connected witih his establishment.

A very promising red carnation was also seen at this establishment. It was a mammoth bloom, having a great calyx, color, and the stem had the appearance of having some of the same wire drawu through it that is making Fred Burki stand up. Considering the free growth with the many other good points I can predict for it a record not often made.
F. L. S.

\section*{Carnation Fiancee Cuttings.}

To the Trade:-We beg to inform all florists who have orders placed for

J. A. Valentine.

1021 No. B 1.
Afterglow.
THREE OF WITTERSTAETTER'S NEW CARNATIONS.
carnation Fiancee that we bave been somewhat disappointed in its refusing to produce enough cuttings for January deliveries owing to its superb habit of producing long flowering stems only. These stems have been pinched back from 30,000 plants and there is now an abundance of excellent cuttings coming along.

We are putting in the sand large batches every week and expect by the latter end of March that all orders now on our books will have been filled. There is an average of twenty cuttings to the plant now in sight, making a total of 600,000 avarlable cuttings for spring deliveries.

Fiancee bas no disease of any kind; it makes fine, strong plants by fall, even from May struck cuttings, in fact, it is the strongest grower of any carnation.

We furtber wish to state that we intend everyone shall be satisfied with the quality of cuttings received; would rather be the loser ourselves than etherwise.

Those who visited our greenbouses after the convention can vouch for the reliability of this statement in the whole, and especially for quality and quantity of cuttings obtainable.

We ask everyone to be patient, and in the end there will be no kick coming to anyone.

Cilicago Carnation Co.,
Jas. Hartshorne, Mgr.

\section*{Variegated Lawson.}

Ed. Am. Florist:-In looking over your paper I note that the F. R. Pierson Company of Tarrytewn-en-the-Hudson, N. Y., has purchased of W. B. Arnold the entire stock of Variegated Lawson. I would say that the same firm has not the entire stock, fer I have beeu making up a steck of the same for the past year, and now have a nice lot. It is a true spirt of Lawsen, and with the color of Bradt, with all the quality of Lawson as to health and vigor. It is
a grand flower and nothing in the mar ket at present to beat it. It will give the largest percentage of perfect blooms of any large variegated carnation yet introduced.

Wilmington, Del
H. P. Potter.

\section*{Chicago View of California Carnations.}

Redondo, thirty minutes by trolley from Les Angeles, is one of the iuteresting seaport towns of southern California. A commodious hotel, one of the best on the ceast, steam heated, confortable both summer and winter, crowns a commanding eminence overlooking the sea. From its windows may be seen the island of Catalina, some thirty miles off, while "Old Baldy," snow covered and splendid, cuts the clear air back of the foothills. Like Rome, this little resort is set on its seven hills, and at this time of year they are gloriously green. The sloping sides of the park are covered with a luxuriant growth of trees and shrubs, rescmbling midsummer now, when our eastern parks are so bare and bleak. Under the efficient management and ownership of John S. Woolacett, lately of Chicago, the Redondo hotel is fast becoming a faverite resort.

On the bluffs back of the hotel are the fameus gardens of the Redondo Carnation Company, twenty-five acres of wonderful color and growth. With the soil from three to six feet in depth, the entire tract irrigated, a rich sandy loam, it is small wonder that success has been easily achieved from the start. The plants bieom all year, with only 9,000 plants under glass, bence the name gardens is very appropriate. At one time, during the visit of President MeKinley to the coast, 120,000 blooms were cut one day in April. The wholesale price is \(\$ 1\) per 100 , and they are now selling at from 25 cents to 35 cents per dezen. The plants are allewed to remain undisturbed in the field for two years. Propagation is carried on eutdoors every month in the
year. The annual eutput of 300,000 is mostly made from November to April.

Eastern varieties make very fine stems, but when grown outdoors the calyx invariably bursts; when grewn under glass, they are quite as satisfactory as in the east. From 6,000 te 7,000 carnations are now being shipped daily. At present there are about 5,000 seedlings, and at the end of eighteen months the company may discover that they have something new in colering to propagate. The varieties now most popular and of their own production are: Los Angeles, a clear, good white; Corbet, salmon pink; Amna, wine color, and Russell, a brilliant velvet cardinal. The steck of this latter is owned by the Redondo company, but not as yet in sufficient quantities, though they consider it has a great future.

Redondo bas other and varied interests, \(80,000,000\) feet of lumber fromi the forests of Oregon and Washingten, and 300,000 barrels of oil alone bringing grod reveuue to its shipping. I pieked up many broken and some perfect Indian relics in the carnation gardens. Some very valuable finds are shown at the hotel and many believe the field practically unexplored at Redondo.

Waf. A. Peterson.

\section*{California Carnation Cuttings.}

Ed. Ar. Florist:-I would like to know what success eastern carnatien growers have had with California cuttings. I received several thousand and with the best attention could not make them grow. Cuttings of my own put in the same sand and sane temperature all rooted. Is it the long distance or being packed so long that takes the vitality out of then?
C. W. Croucn.

Florence, Ald.-William Zimmerman who recently lecated here, has bought property for the purpese of erecting greenhonses, a much needid enterprise.

\section*{WITH THE GROWERS}

\section*{Walker \& McLean, Youngstown, \(\mathbf{O}\).}

On a recent visit to this well established place, a great deal of pleasure was afforded in going through the various houses. In carnations, Mrs. Thos. W. Lawson, Mrs. E. A. Nelson, Enchantress and several others impressed one mostly. Mrs. Lawson is


Carnation Senator Crane.-See page 68.
the leading pink and Mr. Walker contemplates putting two big houses to this alone. A house of calla lilies which could not be beat was a sight which I could hardly walk away from. It was certainly a treat. A house of palms and other decorative stock was a pleas. ing sight, containing many fine specimens. A lot of Mystery violets showed the capacity of this well colored variety. In the propagating department were many thousands of carnation cuttings, in fine, healthy condition. At the store on West Federal street, a large addition was noticed, making the store about twice the size it formerly was. They have long been crowded for room and this will fill a long felt want. Mr. McLean is kept busy at this end.
F. L. S.

\section*{Frank McMahon, Seabright, N. J.}

Frank McMahon has just finished an addition of three new houses, \(20 \times 125\) feet each, even span. The whole range now includes over 100,000 square feet. Bride ant? Bridesmaid roses are mostly grown. Mr. McMahon is a pioneer rose grower, ant? his ability can be esti. mated by the quality and quantity of the roses he is cutting. He is doing a large retail business, and besides ships about 1,800 roses daily to New York city. Three houses are planted to carnations. About 60,000 geraniums and 45,000 coleus plants are grown annually for sping bedding, and sometimes he could use matuy more.

All the roses are ymown on solid hurbhes and only grafted stock used. The leest result is ruached during the second year, but he has some houses with three and four-ypar-ohl plants with hardly any marked difference from the two-year-olil.

The republicans recently wanted Mr. McMahon to run for sheriff, but
he did not accept the nomination on account of his business, as he has another large range at Little Silver.
B.

\section*{Do It Now.}

As soon as begonia seed is well up, give the young plants light and air by degrees until they will stand the full sun. A shelf near the glass is an ideal place for these, as well as many other seedlings. They do not thrive in a close, moist atmosphere; \(60^{\circ}\) at night is warm enough.

If you find a begonia plant among your Vernons or other semperflorens that shows superior merit, set it aside and save the seed therefrom, thus building up on a solid foundation an improved strain.

Just as good plants may be raised from cuttings of semperflorens types of begonia as from seed, and, of course, quicker, if care is exercised in taking the cuttings with one or more growth eyes at the base of the cutting. If the cutting is made with a flower stem at its base, the resulting plant will be of little or no value. This also applies to some other begonias, including Gloire de Lorraine.

Don't defer too long the securing of a stock of the new dwarf Crimson Rambler rose. It may be grown so that it will easily be in bloom for Christmas, and pot-grown roses in full bloom at that festive season would be a novelty finding ready sale. Five plants grown here were entirely stripped of all flowers and buds October 27 and were in full bloom again the first week in December, and have remained so ever since.

Croton cuttings that were put in the sand the first week in January, if in a night temperature of \(75^{\circ}\), are now rooted and ready to pot. They should be potted without delay and given the same temperature in which they were rooted. Crotons resent neglect more than most other plants.
E. L.

Florists' Wagon Express a Success.
The night wagon express between Chatham and New York has just completed its second year of constant service. In warm and cold weather, by
moonlight and through fogs, in dark nights and stormy ones this wagon never fails every evening to visit the various greenhouses about Chatham, distributing the empties and collecting the past day's crop of flowers.

During the wee small hours of any and every night, Saturdays excepted, the wagon, with its fragrant load, is traversing the lonely highways and streets of Newark and Jersey City. Each morning it arrives at seven o'clock at Chatham's first agency in Twenty-sixth street, New York. Even the storms of the past winter have not delayed it; its delivery is always prompt and the goods never touched by frost. There have been times when passing Wyoming at about \(3 \mathrm{a} . \mathrm{m}\). , the horses encounter untrodden snow all through the Oranges, and they are the ones that have to make the first tracks for a number of miles. During the recent big snow storms, think what this has meant. Even this ordeal has not broken their record of an alwaysprompt delivery.

By this method the grower saves himself the cost of taking his goods to the station. At his very door be is relieved of them and has the satisfaction of seeing them at once shel tered from the cold, and they are kept so sheltered right up to their destina tion in New York. By an intelligent use of a smaller or larger number of lighted lanterns, these perishable goods are kept just cool enough but never allowed to get frostbitten. There are, of course, relays of horses, and the men who assemble the consignments from Madison and other neighborhoods are relieved at Summit by other men who accompany the loads across the flats. In these days of railroads this transportation by wagons may seem primitive, but railroads never visit one's warehouse nor carry goods with out change over ferries or up city streets. This is a case where re-adopting old ways has proved to be a pro-gress.-Chatham Press.

New Hayen, Conn.-Charles Munro is still confined to his bed. He slipped on the floor of his store during Christmas week and injured his side, necessitating an operation.


HOUSE OF CARNATION MIKADO, AT PATTEN \& CO.'S, TEWKSBURY, MASS.


CARNATION MRS. W. L. LEWIS.

\section*{MARKET GARDENS.}

\section*{Prices of Indoor Vegetables.}

The prices of indoor vegetables at leading poiuts January 28 were as follows: New York, cucumbers, No. 1, \(\$ 1.50\) to \(\$ 2.25\) per dozen; No. 2 , \(\$ 2.50\) to \(\$ 3.50\) per case; lettuce, 30 cents to 35 cents per dozen; mushrooms, 40 to 50 cents per pound; radishes, \(\$ 2.50\) to \(\$ 3.50\) per hundred; tonatocs, 25 cents to 30 cents per pound; rhubarb, prime, 50 cents to 75 cents per dozen bunches. Minneapolis, cucumbers, \(\$ .50\) per dozen. Cleveland, mushrooms, 40 cents to 50 cents per pound. Cincinuati, cucumbers, \(\$ 1.50\) to \(\$ 2\) per dozen. Detroit, cucumbers, \(\$ 1.60\) per dozen; let. tuce, 9 cents to 10 cents per pound. Buffalo, tomatoes, 20 cents to 95 cents per pound. St. Louis, cucumbers, \(\$ 2\) per dozen. Chicago, mushrooms, 15 cents to 25 cents per pound. Kansus ©ity, mushrooms, 40 cents to 50 cents per pound. Denver, cucumbers, \(\$ 2.50\) to \(\$ 3\) per dozen. Pittsburg, cucumbers, \(\$ 1.50\) to \(\$ 1.75\) per dozen.

\section*{Sterilized Vegetables.}

Some New York capitalists and a Pittsfield, Mass., man, says the Springfield Republican, are experimenting in sterilizing vegetables for market. The discovery was made lately that hot-air sterilization will preserve vegetables indefinitely without injuriag their structural parts. Corn, peas, string beans, lima beans and other garden produce treated by the new process will take on a withered form much like cured hay, but when put in coll water will resume their shape and retain their former brittleness and garden llavor. Cabbage, potatoes, turnips, bects, celery and other produce, granulatel, treated by sterilization, have the same freshness and taste as when gathered in gardens by their reproduction in water after months of preservation after
sterilization. Tho men interested in this discovery say that sterilization of vegetables reduces their bulk, makes the charges for handling and transportation but a small item, and that the value of the discovery lies in being able to scrve fresh vegetables at places a long distance from truck farms and gardens and at any time of the year.

\section*{Forcing Beans.}

Ed. Am. Florist:-Please give me some instructions on growing beans under glass. Should they be planted in the ground or in benches? What
temperature is needed and what is the best variety? E. E.

Thechief requisites in growing beans are a temperature similar to that of a cucumber or tomato house \(60^{\circ}\) to \(65^{\circ}\) by night, with a rise of \(10^{\circ}\) or \(15^{\circ}\) by day, a good soil enriched with cow manure and a light position in the greenhouse. They may be grown on ordinary benches with four or five inches of soil, sown directly in the soil, or previously sown in 3 -inch patis and transplanted. We have found it convenient to sow in rows about eight inches apart, the short way of the bench. They are then more easily staked and more convenient for picking. When once growing they must never suffer for want of water and a syringing on fine days will keep the red spider-the bean's principal enemy -in check. When the beans are in flower syringing should be omitted and manure water applied.

Beans may also be grown in pots. Sow a few seeds in 3 -inch pots and transfer when strong enough to S-inch pots, using about three small pots of the seedlings to each large pot. Stake with fine brush. Bottom heat should always be provided, and avold watering with very cold water. Usually in six weeks a crop will mature, and in the meantime provision should have been made to replenish the beds, so that no time is wasted.
The best variety is Sion House, with Triumph of the Frames second cholce where little room is avallable. Emperor William produces pods too large and the plant has too much vine towards spring. Early Valentine and Wardwell's Wax will well repay the few days more it takes for them to mature.

Francis Cannino.

Uleton, Mass.-H. O. Harrington last week injured his hip badly by falling on the ice.


VASE OF CARNATION GOVERNOR WOLCOTT AT THE CHICAGO SHOW.-Jan. 25-26, 1905. (Fxhbitw by that .J. W. Thumpson ('arnation Co., Joliw. Ill.)

\section*{Ladies of the Trade.}

\section*{MRS. Cllarles Eickholt}

The subject of our illustration is one of the numerous ladies who are successful in the trade in the south. Mrs. Charles Eickholt is a native of Ger-


Prof. G. F. Atkinson, of Cornell University. (Aathnr of "Carnation Diseases," reprinted in our issue of January 28. .)
many and practically commenced her business career in this country in 1891 in Galveston, Tex. The cultivation of flowers and plants was at first a mere fad with her, but after a time it developed into a good business and has now become quite extensive. In 1899 she bought a place on Avenue M, near Tremont street. Here she had built, according to her own plans, a comfortable residence and in the sunmer of 1900 she added a palm house. It now became impossible for her to attend to all the work and for the first time she engaged assistance. Soon after, in September of the same year, Mrs. Eickholt lost heavily in the Galveston storm. Immediately after, however, she went to work rebuilding her greenhouses and with what little she possessed opened a store in town. Mrs. Eickholt carrici on the store with the assistance of her two sons. Two years ago her health failed and she spent the entire twelve months of 1904 in Germany, where she officiated as judge at the Dusseldorf exhibition. On her return she was still unable to attend to work and has now retired in favor of her oldest son, William, who will continuc the business.

Auburn, Me.-George M. Roak is confinerl to the house by illness.

Perry, la.-The greenhouse and residence of Joseph Perry was destroyed by fire January 20. The loss is partly covered by insurance.

New Haven, Conn.-Suggestions of economy in flower bills were only heeded by a few Yalo men who had "prom" guests January 24. Approximately \(\$ 10,000\) was spent on flowers for the "1905 prom girl" ly juniors and seniors who were asked to omit flowers this year because such gifts were thought a "needless expenditure."

THE RETAIL TRADE

Asil Wednesday, the beginning of Lent, falls on March 8.

For Irish weddings around St. Patrick's day try bridal bouquets, etc., of shamrock and lily of the valley.

\section*{Iselin Dinner Decorations.}

At the dinner at Sherry's given by Mrs. C. Oliver Iselin, January 25, the decorations, thoughi simple, were well devised and carried out. White, pink and silver was the combination color scheme. The dinner was served at round tables each seating eight persons. A large piece of silver occupied the centre of each table, filled with pink roses and white lilacs, both long in stem. Silver bowls of different sizes were also brought into service with the same filling. Glass epergnes filled with pink and white roses were in front of each plate. Asparagus and smilax were used on the tables. Notwithstanding the adopted color scheme violets were introduced. Showers of them were seen in silver finger bowls, and


Mrs. Chas. Eickholt.
the boutonnieres for the male diners were alternately violets or white camellias.

\section*{The Show Window.}

The florist's window, if given the proper care and attention, will always prove to be of great interest to every-body-a relief to the passing throng of people, who tire of the endless displays of other lines of business. The average florist's window is too often neglected. One florist says: "I would take an interest in keeping my window attractive if I were in another location and had a better class of tradc.'"

There is the mistake. No matter what the location is, or what class of customers he caters to, it pays to be neat and artistic, in fact it is absolutely neccssary; and right there in the decorating of the window lies the most profitable way of showing your artistic
ability, Furthermore, as a medinm of advertising there is none better.

In the making of an effective display it must be borne in mind that minor detail is the most important point to be considered. The selection of the best to be had in the way of flowers and vases, and careful scrutiny in the matter of their cleanliness, all tend toward gaining an effect we would oall pleasing. And do not forget the fact that the simple forms of arrangement are more often the beautiful ones. Try and avoid that stiffness and formality which often spoil the effect of what would otherwise be pleasing. Vary each day your scheme of decoration and thus avoid similarity. Where you would have the fitness and beauty of the arrangement a prominent feature, it is absolutely necessary to watch the little things.
M. E. C.

\section*{New York Decorations.}

At the Schoonmaker-Eaton wedding in the Collegiate church, January 18, the decorations were on a large scale. The chancel was banked with palms, many of them the tallest obtainable. The pulpit was covered with bougainvillea and asparagus. The balconies were overhung with wild smilax, set off with garlands of pink roses, with clusters of the same flowers at intersecting points. The aisle posts were decorated with Japanese lilies and white ribbon, and there was a bank of these lilies at the end of each pew. Half way down the aisle was a swinging gate composed of lily of the valley and jessamine. The gate divided the church into two sections, one for relatives and the other for guests. The bride's bouquet was of lily of the valley and white orchids. The mald of honor carried a bouquet of Enchantress carnations, lily of the valley, and Adiantum Farleyense. Two matrons of honor carried bouquets of Prosperity carnations and Adiantum Farleyense. The bridesmaids' bouquets were similar excepting that the carnations were Enchantress. Two little flower girls carried small ribbon baskets of lily of the valley and jessamine.

M. A. Patten.
(Prominent Tewksbury, Mass., Carnation man.)


DELIVERY CARDS, TAGS AND ENVELOPE NEEDED IN MODERN FLORISTS' BUSINESS.
(Considerably reduced in reproduction.).

At the Thornton-Roe wedding at the bride's home, 150 West Firty-ninth street, the large room in which the ceremony was performed was handsomely decorated. The walls were covered with wild smilax relieved with pink roses. Streamers of Asparagus plumosus and pink roses almost completely hid the ceiling. Twelve aisle posts were used, covered with white ribbon and Japanese lilies. In an unused corner of the room was a huge jar of lilac and pink roses. The rear of the room was banked with palms and pink roses. In other rooms palms and plants with cut flowers liberally distributed formed the decorations.

\section*{San Francisco Press Club Decorations}

By way of introduction it may be said that when the year 1903 was in its fifth month President Roosevelt visited San Francisco and in the large jinks room of the city's press club, after delivering a catchy speech to the crowded audience of newspapermen, he accepted the offer of a black crayon pencil and in a bold hruti, neer his sidr nature, wrote on a heary white carl board double the size of a page of the Now York Tribune, this sentiment: "Good luck to the San Francisco press club.' One night last week a rare accasion was on at the press cluh, and the president's cardboard sentiment, a wall adornment conspicuously placed in the jinks room, was picturesquely decorated with California blooms and fruit that even in California are rare for early January, namely, sweet peas, wild
iris, buttercups and poppies. The floral design was a colossal fern and moss horscshoe that overhung the cardboard inscription, its further embellishment, additional to the flowers named being an artistic arrangement of American Beauty and Liberty roses and Prosperity carnations and a liberal supply of floral beauties in crimson, represented ly the famous Roosevelt carnation, grown at Loomis, Cal., by the Loomis Floral Company; also, as a substitute for the state's holly berries, the "good luck' ' design embraced in its make-up branchlets of fully matured and perfectly formed red ripe cherries and Black Tartarian, and clusters of ripe currants, all matured and ripened in open air gardens in Alameda county on the east side of San Francisco bay.

The occasion of this floral display at the press club was an all night talk on the expericnces of newspaper reporters. the guest of the night and principal talker heing a visitor from New York, Jacob A. Riis, the well-known newspaper man.

Monnette.

\section*{New York.}

The Marinet
The market has recovered from the effects of the blizzard of last week in that all irregularities of supply have been balanced, and shipments are coming in on time and in good shape. Demand continues to be away off in comparison with what it shonid be at this time of scar, ret is sufficient to give a little zest to business and admit of a fairly good cleaning up every day.

Incoming shipments are not heavy by any means, and the conditions as they exist on both sides serve to keep prices fairly firm. Roses clean up wonderfully well, in all grades. American Beauty have reached the 75 cent mark, and Liberty specials with long stems have taken on strength at 50 cents. Carnations are not quite so strong as last week, as far as price is concerned, and six cents is about top for anything in the ordinary run of fancies. The quality of the carnation stock is pretty good, and while shipments are heary they appear to move well. Bulbous stock increases in abundance every week. Some large shipments of freesia arrived on Tuesday, and good stock was freely sold at cight bunches for a dollar. Narcissus, Paper White and ordinary yellow moves well at \(\$ 1\) to \(\$ 2\), Golden Spur, \(\$ 2\) to \(\$ 4\). Miguonette drags at \(\$ 2\) to \(\$ 4\). Violets are in a rut, and both demand and price continue as last reported.
club rotes.
It is pretty well assured that the attendance at the annual banquet on Saturday evening next will exceed fifty. Chairman Sheridan of the banquet committee is doing a good deal of lustling, and seems determined that this shall be the minimum. The onting committee of the club lield its first meeting a few days ago, and completed its organization. Its officers are Wm. J. Flliott, chairman; Chas. Schenk, treasurer; and J. A. Shaw, secretary.

Abe Barnbaum, of 1106 Park avenue, has sold his stock and fixtures to J. Davill, who will open a store at One humlred and sixty-nonth street and Boston road.

A greenhouse costing \(\$ 12,000\) will be built this spring in the Botanical Garden, Bronx Park, near the corner of Bronx and Pelham avenues.
A. Maltz bas taken new quarters on the first floor of the Coogan building.

\section*{Chicago.}
roses scarce-market steady.
The market has shown a slight improvement over the conditions of last week, in point of demand and prices, but stock is shortening perceptibly and the American Beauty rose situation, especially, is growing brighter day by day. The scarcity of this line has boosted prices several notches, but high prices do not grow stock and commission men and growers alike are lamenting the shortage. Teas are kceping up well and there appear to be enough for all purposes. The quality of the roses being cut was never better at this season of the year. The shortage in carnations is confined to the white varieties which have been scarce. Good white stock brought as high as five cents during the early part of the week. Colored carnations are generally plentiful and are quoted from \(\$ 2\) to \(\$ 4\) per 100 . Whites may be regarded as being among the "fancies" this week. The violet supply is increasing, especially singles, and prices remain firm. Bulbous stock has not that glutty appearance characterizing that line for the last three weeks, and Roman hyacinths and Paper White narcissi are rather scarce. McKinley tay sales were disappointing and retailers report a general apathy on that day. Ferns have taken an upward turn in price and are quoted for the best stock, at \(\$ 3\) per 1000. Shipping trade continnes steady, but nothing phenomenal.

\section*{Notes of the trane.}
'Lhe special park commission of the city council has recommended in its annual report, eighty-four new parks, with a total acreage of 37,061 . According to the report, the average of population to every acre of park ground is 617, instead of 100 jersons, as it should be, although there has been a great improvement since 1900 , when the special park commission was formed.

The botany students at the University of Chicago, conducted by Prof. H. C. Cowles of the botany department, will make a trip through Europe, including Scotland and Ireland, this spring, in search of rare plants.-Chicago RecordHerald, Jan. 2S, 1905.

George Peipgras, of J.B. Deamud's met with an injury Sunday which will incapacitate him for some time. While boarding a moving Cottage Grove avenue cable car be slipped on the ice and was thrown on his head. His face was badly lacerated.
N. Weiland, formerly with Weiland \& Risch, has embarked in the greenhouse business on his own accouut and will grow carnations exclusively at his range in Evanston. The entire cut will be handled by Weiland \& Risch.

Charles McKellar reports an unusually heavy demand for orchids. A number of large funerals the past week called for large orders and Saturday there was not an orchid to be found unsold.

Notwithstanding the general shortage of Anerican Beauty roses, Peter Reinberg is cutting heavily, and on Saturday he filled another order calling for 1,000 medium and long stemmed blooms.
A. Dietsch Company has erected another large building at the offices and yards on Sheffield avenue, to accommodate increasing business.
S. S. Skidelsky, who was confined to his botel with the grip after the convention last week started on his travels again January 31.

There is no race suicide to Billy Kidwell's make-mp. The latest ardition to his fanily a girl, is the seventh.

Weiland \& Risch are showing not only quality in their Bride and Bridesmaid roses, but also quantity.

George Reinberg has been cutting good Bridesmaid and Bride roses, with extra heavy stems.

The Grand Rapids Florists' Association reports a steadily increasing business.
J. B. Deamud is receiving choice California violets in large quantities. E. F. Winterson Company has been receiving extra brand wild smilax.

Mrs. Leonard Kill has been very ill for a week.


CARNATION CONVENTION VISITORS AT CHICAGO CARNATION COMPANY'S ESTABLISHMENT JANUARV 27.

Visitors this week were Alderman M. P. Dilger, of Waukegan, Ill., and Thomas Salveson, of Petersburg, Ill.

\section*{Philadelphia.}

COLD WEATHER DEPRESSES BUSINESS.
Last week with its wealth of snow and cold winds, that were handed out continually, early, late and all the time, had a very depressing effect on business, which was about as bad as it could be for the season. There was no great quantity of flowers and the few Which were cut the growers had great difficulty in getting to town. The carnation belt in Chester county was snowed in all week and it was Saturday before they could get their trains through the drifts. Shipments out of town were also much interfered with and the commission men had in some instances to wire their customers they could not ship. The stocks in all lines now coming in are fine. Americau Beauty roses are back to their early fall standard and some of the specials, notably Burton's, are extra fine. The top price for these is \(\$ 8\) per dozen. Bridesmaid are a fine color but the percentage of weak stems is too large. There are some fair Golden Gate and enough Perle and Sunrise to get a man into trouble if he takes an order. Liberty is in good demand. Carnations are down a trifle, especially fancies. Enchantress is high at \(\$ 5\) and \(\$ 6\) is asked for Prosperity. Freesia moves lively. Adiantum is scarce; good spray asparagus is hard to get.

NOTES OF TIIE TRADE.
Harris has Golden Spur narcissi now by the ten thousand and can fill orders for almost any quantity. He has just filled an order for two dozen large lemon trees in flower for a wedding. At the Harris establishment they have the packing and bandling of shipping orders down to a nicety. Over 400 cases were shipped at the Christmas holidays to all parts of the country and there was not a complaint from a single customer. In addition to a careful packing of each plant the express companies were requested and did notify their agents at destination of each par ticular shipment to be on the lookout and see that the plants did not suffer from frost and that they were delivered at the earliest possible moment. This precaution worked wonders and Mr. Harris has on file dozens of letters from customers expressing their great satis faction with the speedy and safe arrival of their orders. Mark Mills, the foreman, said that it paid twice over and now that they have the systent working snccessfully they do not see how it can fail.

Robert Craig's affairs are fast shap ing to his satisfaction. Nearly all the ev \({ }^{\text {ditors }}\) have either signed to accept 50 per cent. for a cash settlement or take the amount of their claims in stock of his company to be formed.

The curbstone carnation market of Thirteenth and Market streets has been broken up, the order baving gone out from police headquarters that no fakirs are to be allowed strect privileges.
S. S. Pennock is back from the Chicago carnation meeting and expressed himself as much pleased with what he saw.

The windows of the stores are now gay with azaleas, pots of daffodils, primulas aud other blooming plants.

\section*{Boston.}

Trade continues dull, there being but a small demand for any of the different varieties. The increased call for violets a week ago was but of short duration and the price has again slumped, so that it does not seem possible for any of the violet growers to make a profit. The snow storm of Wednesday killed the retail trade for the two following days so that business in all lines has been at a stand-still. The florists report that the storm, though one of the wildest of recent years, did but little damage, and so much snow fell that no difficulty was experienced in heating the houses. Paper White narcissi and Roman hyacinths which have been plentiful to the present time were scarce this week.
The following were in attendance at the convention of the American Carnation Society at Chicago: William Nicholson, of Framingham; Peter Fisher of Ellis; M. E. Patten, of Lowell; William Sim, of Cliftondale; E. Allen Peirce, of Waverly.

Wm. Sim, Cliftondale, Mass., is now wearing the smile that won't come off as the stork paid a visit to his home Saturday, January 21, and left a ninepound girl.

Galvin furnishes the decorations for the subscription party of Mrs. H. B. Quincy at the Somerset hotel this week. H. P. S.

\section*{St. Louis.}

\section*{the market.}

The market the last week improved considerably. On McKinley day, which occurred Sunday, January 29, the demand for carnations was enormous, pink and red being the leading varieties. Prices, of course, stiffened considerably, 3 to 5 cents being the prices for good stock. Roses have been very scarce in all varieties. White and pink were especially sought after the past week. Asparagus has been very scarce, and smilax and other greens move well. The weather has been very severe and transient trade has been slow, except Saturday and Sunday. Violets the past week were scarce and were cleaned up at \(\$ 5\) per 1,000 .
notes.
Joseph Honser met with a serious loss last Tbursday might. Five houses of his range at Webster Grove were lestroyed by fire. All of the stock was either frozen or burned. He carried no insurance, and a subscription list was started to aid him. He was recently in with a fine cut of violets and sweet peas, which are a total loss.

We regret to announce the death of Iittle Robert Beyer, the three-year-old son of Robert Beyer. The little fellow was playing with matches in his father's greenhouse, when his clothing took fire. His father hastened to his aid and was severely burned himiself. The boy died and was buried Saturday.
The meeting of the Florists' Club in February promises to be a very interesting affair, owing to the carnation xhibition of local and foreign growers. Some liberal prizes are offcred, and it is to be hoped that some of our Kirkwood boys will get in line.

The plans for the restoration of Forst Park are fast coming to the front. It is proposed to retain the lagoons ind lake, which lie adjacent to the Art Palace, which is also to be retained.
C. A. Kuehn reports trade as very
good the past week. Some fine carnations are coming into the market from Baer, of Peoria, Ill.

The St. Louis Globe Democrat purchased 500 fine Larrson carnations and distributed them to their employes McKinley day.

Geo. M. Kellogg, Pleasant Hill, Mo. and F. H. Febr, of Belleville, Hll, were visitors the past week.

The Ellison Floral Company removes into its new store next week, oprosite the old location.

Wm. Wundrack, for fifteen years with Wm. Schray \& Sons, was married this week.

Alex. Siegel had an immense trade in carnations Saturday and Sunday.

Oscar Heile had a large violet decoration last week.

White carnations are very nlentiful. W, F'.
Florists' club carnation show.
A carnation exhibition will be held at the Florists' Club meeting rooms on February 9, at 2 p. m.. in Odd Fellows; building, corner Ninth and Olive streets. The club has offered \(\$ 50\) in prizes; \(\$ 25\) for outside growers, and \(\$ 25\) for local growers. Blooms are to be judged by points, according to the rules of the American Carnation Society. Growers of new varieties are requested to send exhibition blooms.

Stock should be sent prepaid to any of the St. Louis wholesale dealers C. A. Kuehn, 1122 Pine street; F. M. Ellis, 1316 Pine street; H. G. Berning, 1402 Pine street.

Premiums are offered as follows, the latter section including club members: FOR OUTSIDE GROWERS.


\section*{FOR LOCAL GHOTVERS}

Best 50 blooms, white 1 st 2 d 3 d Best 50 blooms, white......... \(\$ 3.00\) \$2.00 \(\$ 1.00\) Best 50 blooms, plak........... \(3.00 \quad 2.00 \quad 1.00\) Best 50 blooms, mixed colors \({ }^{4} 4.00 \quad 2.00 \quad 1.00\)

Blooms must be grown by exhibitor. All prize-winning blooms become the property of the club. Exhibitors should advise Secretary Emil Schray, 1401 Pennsylvania avenue, what disposal to he mate of blooms not taking a prize, also those sent for exhibition only.

\section*{Washington.}

\section*{the Market}

The society events of the past week called for a large quantity of good stock. Roses. carnations, lily of the valley, lilac, tulips and a variety of other stocks are being freely used. The bulk of the best roses is conling in from Philadelphia, and also many goon carnations. The local growers are making a very creditable showing in hulb stocks, lily of the valley anil Marie Legraye lilac. The blizzard weather had a depressing effect on tran sient trade, several days in the ear lier part of the week being so cold that hut few people rentured out, aside from those compelled to do so. Were it not for the entertaining. which puts ginger into the market, trarle would be at a low ebb. Cut lilac brings from \(\$ 3\) to \(\$ 4\) per buncli and large pots of Marie Legrave bring about the same price. Freesia is fairly plentiful both in nans and cut, selling in the latter form at 50 cents per bunch. There are plenty
of good violets, but unfortunately tho weather is not favorable for their use NOTES.
On the night of January 28, the Grid iron Club celebrated its twentieth anniversary with a banquet at the Nem Willard. The decorations were elaborate and were executed by Sinall.
David Bissett, who has for some years grown violets of fine quality, at Garrett Park, Ind., will this year erect another house and grow Enchantress and Lawson carnations.

The proprietors of the Tuxedo violet bouses are out with a nice little book which contains interesting information.

Assistant Superintendent Reynolds of the Botanic Gardens, is on duty again after an illness of four months.
S. E.

\section*{Utica, N. Y.}

Frank McGowan has purchased the Sunset greenhouses on Sunset avenue The range consists of 18,000 feet of glass. Mr. McGowan was formerly of New Hartford, N. Y.

The Utica Florists' Club will bold its annual carnation meeting February 16. The committee has everything in readiness for a successful meeting.
J. C. Spencer and Henry G. Martin have formed a partnership and on February 10 will open a store at 221 Genesee street

Bud.

\section*{Indianapolis.}

Smith \& Young Company intends building on the new place near Cumberland, having closed a contract for 700 boxes of glass. Mr. Sonnenschmidt will have charge of the new branch, while Mr. Junge and the violets will continue at the old stand. Their new property consists of twenty-five acres and was bought of T. Huntington, of Huntington \& Page. It is the piece of land on which the latter started their onion set industry, representing but a small frac. tion of the total acreage devoted to that branch of their business.
A. Wiegand is planning a trip to the Pacific coast.

\section*{Worcester, Mass.}

Business continues good, and good stock is plentiful with the exception of roses. American Beauty and Liberty are especially scarce. Bulbous stock is coming in in good supply, and the narcissi are very fine.
The society event of the season was the Thayer-Goulding wedding, which called for lavish decorations. Lange was the artist.
A. H. L.

Hovginton, Micir. The Lutey Floral Co., with greenhouses at Castle and Calumet, went into iuvoluntary bankrupety last week, J. Holman, Receiver.

Vergennes, Vt.- The Vermont State Horticultural Society will hold its annual meeting bere February 9 and 10. Prof. L. H. Bailey of Cornell Univer. sity, will he one of the speakers.

\section*{The Best Paper.}

American Florist Co.:-Enclosed find \(\$ 1\), for which kindly extend my subscription to the American Florist. It is the best paper of the kind I receive.
A. H. CHILSON

\section*{THE AMEBICAN FLOBIST}

TWENTIETH SEAR.
Subscription. \$1.00 a year. To Europe, \$2.00 Subscriptions accepted on!
Advertisements, on all except cover pages, 10 Cents a Line, Aqute: R1.00 per inch. Cusb with Order.
No Special Position Guaranteed.
Discounts are allowed only on cons cutive inser tions. as follows- 6 times, 5 per cent; 18 tim

10 per ceut: 26 times, 20 per
Space on front pages and back cover page sold only on yearly contract at \(\$ 100\) perinch, net.
The advertising Department of the American Florist is for florists, seedsmen and nurserymed and dealers in wares pertaining to those lines only Orders tor less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to
secure insertion in the issue for the following secure insertion in
Saturday. Address

\section*{AMERICAN FLORIST CO., Chicago.}

When sending us change of address, always send the old addvess at the same time.

Cold weather in the south of France has caused considerable loss to flower growers.

THe tariff reduction on glass must not be overlooked or forgotten. Every buyer of glass should write his congressman a personal letter.

\section*{Geranium Glorious-Mrs. Hayes.}

Ed. Am. Florist:-In reference to Geraninm Glorious illustrated in your last issue, I wish to state that the plants Mr. Lonsdale sent us last fall, of Geranium Glorious, are identical with the variety Mrs. Hayes, which we have grown since we started in business. We believe it to be one and the same thing, though we will grow them side by side next year and report any difference. So far we have been unable to detect the slightest.

Waynesboro, Pa.

\section*{Dividing Cypripediums.}

Ed. Am. Florist:-What is the best time to divide eypripediums and how should they be treated after they are done blooning?
G. M.

As soon as cypripediums have done blooming is a good time to divide them, if it is advisable that they should be divided. But in my experience I have thought that larger clumps of cypripediums are more profitable to grow as cut flowers than a larger quantity of smaller plants. If it is a number of plants that is required, they may be divided at any time now and potted in live sphagnum moss and that class of peat which is composed of the roots of osmunda. The pots should be well drained with crocks and charcoal, filling the pots to within a third of the rim. A night temperature of from \(60^{\circ}\) to \(65^{\circ}\) will suit them in this condition all right, and they should be well watered.

> E. L.

\section*{Scales Infest Kentias.}

Fw. Aar. Florist:-My kentias are infested with scales as per caclosed. Please give me a remedy.
A. V.

The safest and surest method for cleansing kentias from scale insects if the plants are badly infested, is by careful sponging with strong soap solution, or with lemon oil or fir trec oil. The scales may bo removed with less
rubbing, and consequently less liability of injury to the leaves if the plants are given a dipping in the soap solution a few hours before they are sponged. It is advisable, however, that the plant should be laid upon its side after having been dipped in order to prevent the soap or other insecticide from draining down into the heart of the plant, too much soap being liable to ruin the young and unexpanded leaf in the center of the plant. Having cleaned the plants thoroughly, regular fumigating with nicotine will do much toward preventing a recurrence of the trouble.
W. H. Taplin.

\section*{That Misfit Glass Tariff.}

Ed. Am. Florist:-The letter of Elmer D. Smith on this subject, in your issue of January 21, is worthy the attention of every florist. One cannot but admire the courage and optimism which must inspire Mr. Smith to work for and lope for reform from that dominant party so overwhelmingly continued in power on a "Stand pat"' platform.

Mr. Smith's convictions of the wrong done to our craft under the present regulations demand our aid. It is no doubt true that if every subscriber or reader of the Auserican Florist would write his congressman protesting against this support of the glass trust, against this payment of two prices to support an "infant industry" which was really a giant infant at the time it was given the added support of the last tariff, a strong beginning would be made. In this connection, it is a sign that even senators can hear, when an old war horse like Senator Platt of Connecticut, introduces into the senate a protest from his state against the unholy free seed distribution.
J. C. Vaughan.

\section*{The Senate Hears a Far Cry.}

The free seed humbug has received consideration at the hands of the United States scnate. Momentary, it is true, yet of the right kind. It remained for a modest local grange in the Nutmeg state to insist that Senator Platt present an anti-free seed resolution to sent an anti-free so largely responsible for this hoary fraud. The signifieant thing is that the senate was forced to take even this much cognizance of it, and to hear Senator Platt's accompanying remark, "I think the resolution represents pretty fairly the sentiment among the agriculturists in Connecticut in opposition to the present governmental distribution of seeds." True not only of that state, but of Illinois and Ohio, and of other sections, far and wide, where the opinion prevails that a wiser use might well be made of the people's money.-American Agrieulturist.

\section*{American Rose Society.}

We are in receipt of advance sheets of the list of premiums to be offered at the annual exbibition of the American Rose Society, to be held in connection with the spring exhibition of the Massachusetts Morticultural Society at Boston, Mass., March 23 to 26 inclusive. Liberal provision is made for all possible exhibitors, and many valuable special prizes are offered. The Lord \& Burnham trophy, valued at \(\$ 250\) and presented by the Lord \& Burnham Company, will be awarded in conjunction
with the first cash prize for fifty American Beauty roses and will become the property of the competitor winning it, consecutively or otherwise, twice thereafter. Exhibits sent from a distance should be addressed to J. K. I. M. Farquhar, Horticultural Hall, Boston, Mass., and the express charges must be prepaid.

For further particulars see prize list, to be had on application to Secretary Wn. J. Stewart 11 Hamilton Place, Boston, Mass.

\section*{Leaking Boiler Flues.}

Ed. Am. Florist:-Two years ago we renewed one-half of the tubes in our boiler and last year the remainder. Some of the two year old tubes are now leaking. Our greenhouse establishment consists of a house \(20 \times 80\) fuet, with a wing \(20 \times 50\) feet. The flow pipe is raised well above the boiler, but the return coils are not much above the top of the boiler. The circulation is sluggish. We cannot very well lower the boiler and wish to have any suggestions that may help us out of the difficulty.
K. B.

It is not stated what causes the leaking of the boiler tubes. Certainly the tubes themselves should still be in good condition and if the work was properly done there should be no leaks. The rapidity of the circulation is governed largely by the height of the return pipes above the top of the boiler. If the boiler cannot be lowered, it may be possible to slightly raise the return pipes. The best circulation is secured when the flow pipes are of good size and rise at once to the highest desirable height. They should be carried to the farther end of the house with a fall of about one inch in twenty feet and there connected with the return pipes.
L. R.T.

\section*{To Dye Faded Lycopodium.}

To dye dry or faded lycopodium a mineral green is used, costing about \(\$ 3\) per pound. Half a teaspoonful of the dye to a wash boiler about three-fourths full of hot water thoroughly dissolved makes the solution into which the green should be dipped. After dipping fifteen or twenty bunches of the green add more water, also about the same proportion of additional dye. Spread the bunches in a warm place to dry.

\section*{Pipe Clay.}

If the correspondent who wrote us some time ago regarding kaolin white pipe clay, black pipe clay, fine ground chalk and plaster of paris, will apply to any of the following addresses he can seeure the desired matcrials: I. Mandle, 3943 Pine street, St. Louis, Mo.; Roessler \& Hasslacher Chemical Company, 100 William street, New York; John Sant, East Liverpool, 0.

\section*{Meetings Next Week.}
[Secretaries of socfetles are requested to send us advance information of special meetings. and of changes in dates of regular meetings.]

Boston, Mass.-Massachusetts Horticultural Socicty, Horticultural Hall, 300 Massachusctts avenue, Saturday, February 11, at \(11 \mathrm{a} . \mathrm{m}\). Lecture on "Dwarf Fruit Trecs, Their Uses, Propagation and Management,' by Prof. F. A. Waugh.

Butte, Mont. - Montana Florists Club, Columbia Gardens, Friday, February 10.

Chicago. - Chicago Florists' Club, Handel Hall, 40 Randolph street, Thurs day, February 9, at 8 p. m.

Cincinnati, O.-Florists' Society, Elliott Flower Market, Friday, February 11 , rose night and exhibition.

Denver, Colo.-Denver Floral Club, 323 Charles Block, Friday, February 10 , at \(8 \mathrm{p} . \mathrm{m}\).
Hamilton, Ont.-Hamilton Gardeners and Florists' Club, office of member, Tuesday, February 7, at 8 p . m.

Hartford, Conn.-Hartford Florists' Club, Triday, February 10, at 8 p. m.
Indianapolis, Ind.-State Florists' Association of Indiana, Commercial Club rooms, Tuesday, February 7, at 7:30 p. m.

Madison, N. J.-Morris County Gardeners' and Florists' Society, Masonic Hall, Wednesday, February 8, at 7:30 p. m.

Madison, Wis.-Wisconsin State Horticultural Society, February 7, 8 and 9. Annual meeting.
Milwaukee, Wis.-Milwaukee Florists' Club, Empire Building, West Water and Grand avenue, Tuesday, February 7.

Montreal, Que.-Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, Monday, February 6.
New Bedford, Mass.-New Bedford Florists' Club, Thursday, February 9.
New Haven, Conn.-New Haven County Horticultural Society, Tuesday, February 7.
New London, Conn.-Gardeners' and Florists' Club, at greenhouses of Secretary H. H. Appeldorn, Tuesday, February 7.
New York.-Florists' Club banquet at the St. Denis hotel, February 4.
Oceanic, N. J.-Monmouth Horticultural Society, annual ball, February 10,
Omaha, Neb.-Nebraska Florists' Society, Thursday, February 9, at 8 p. m .

Philadelphia, Pa.-Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce, Tuesday, February 7 , at \(8 \mathrm{p} . \mathrm{m}\).
Pittsburg, Pa.-Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue, Thursday, February 9 , at \(8 \mathrm{p} . \mathrm{m}\).
Providence, R. I.-Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Thursday, February 9, at 8 p . m

Salt Lake City, Utah.-Salt Lake Florists' Society, Friday, February 10.
St. Louis, Mo.-St. Louis Florists' Club, Odd Fellows Hall No. 2, Ninth and Olive streets, Thursday, February 9 , at \(2 \mathrm{p} . \mathrm{m}\).
Tuxedo, N. Y.-Tuxedo Horticultural Society, Tuesday, February 7.
Washington, D. C.-Washington Florists' Club, Schmidt's Hall, 516 Ninth street, Tuesday, February 7.
Worcester, Mass.-Worcester County Horticultural Society, Thursday, February 9, at 2:30 p. m. Lecture on "An Afternoon with the Horticulturist's Best Friend, the Birds,' by Mrs. Amy Barnes Maynard. Illustrated by watercolor paintings.

Kokomo, Ind.-W. A. Bitler is building an addition \(10 \times 50\) feet, to keep pace with steadily increasing trade.

\section*{OBITUARY.}

\section*{Charles A. Keyes.}

Charles A. Keyes, nearly fifty years a reside日t of Worcester, Mass., and one of the most widely known florists in the city, died last week after five days' sickness with congestion of the kidneys and pneumonia, aged seventy-six years. The deceased was born in Northboro, a son of Sampson and Elizabeth Keyes. He got his early education and remained in the town of his birth until 16 years of age, when he left home to teach writing. Later he devoted his energies to the study of painting and graining, at which he became an expert. He followed that business until 1875, in which year he started a floral business on Highland street. Mr. Eeyes was married when twenty-six years old to Miss Lora Chandler, in Blackstone, removing to Worcester shortly after the ceremony. The couple remained in Worcester, Mrs. Keyes dying eleven years ago. Mr. Keyes was interested in all branches of agriculture and horticulture, and was an active worker in the interests of the Worcester agricultural and horticultural societies. He leaves five children.

\section*{Preston William Gillette.}

Preston William Gillette, of Portland, Ore., died January 21, from an attack of neuralgia of the heart, after a brief illness. A widow and one son survive him. Mr. Gillette was born in Lawrence county, Ohio, June 2, 1825. His father was a nurseryman, and, after acquiring a common school education, the young man learned the same business. He moved to the coast in 1852, and in 1853 settled in Clatsop county, where he conducted the nursery business. With possibly one exception he was the first to introduce cultivated strawberrics, Hovey's seedling, and the red and yellow Antwerp raspberries. It is believed he brought the first collection of ornamental plants to Oregon, such as Iilacs, honeysuckles, etc. Aside from the Mission rose there was but one other cultivated rose in Oregon prior to the stock he secured from the east in 1853. He was a member of the legislature from Clatsop county during the sessions of 1862-64. He removed to Portland in 1867 and became promi nently identified with the business interests of that city. He was married in 1898 to Miss Mary McCabe.

\section*{SITUATIONS, WANTS, FOR SALE. \\ One Cent Per Word.}

\section*{Cesh with Adv.}

Plant Advs. NOT admitted under this head.
Every paid subscriber to the American Floriat for the year 1905 is entitled to a give-line wANT any (situations ooly) free to be used at an time duriug the year.

SItuation Wantad-By an experienced grower
of roaes, caroatioos and 'mums; Swede. State wages. Box 140, care American Florist.

Situation Wanted-By a florist, German, single, middie aged, good as perience la all departmenta pot plants a specialty. Refereuces. Address

Box 136. oare Ameriran Florist.
Situatlon Wanted-By a practical forist; German.

4340 Chouteau A ve.. St. Louis, Mo.
Situatlon Wantod-On a private or commercial place by an experienced young gardener, alagle, references. Addre

M H, 749 No. Camphell Ave., Chlcago

Situation Wanted-By Iret.class florist, Ger mas, 38; cut llowers, palms, decorative and hed digg plants; as foreman or to take charge of commercial or private piace. Addre日s

SItuation Wanted-13y German, 33, ia retail dorist store; life experience; decorator, desigaer tc. Able to take charge. Best refereace Las position, 3 yesrs. Address

Situation Wontod-By gardener and florist single, age 29, on private place where practica mea is required: lile experionce in greeahouses, landacaplag, vegetablos. Best of refereaces.

GARDENER, 527 Courtland St., New York City
Situatlon Wanted-Fiy practical florist; 18 yeara experience io out fowers and plante for Catalogue trade. Lorrame Legocias a spectaly. are 35. Mlasechusette preforred Addrese ge 35. Massachusetha 133 American Floris

Sltuation Wanted-By flrst-class floriat, Ger man, siogle, 36 years of age, grower of roses, car astions, 'mums, violets, bulbs sad all kinds of bedding plants, also a good propagator; able to take charge. Address Bris 146, care American Florist.
Situation Wantad-By a practical floriat, 20 yeara' experieace in growing bedding and tropical plants; can take charge of commercial or private place; married, Germaa, 40 years of age. Siate wages paid. Addresa

Box 143, care American Florist.
Situation Wanted-By young married man, as gardeuer or Horist for either private or commercial place thoroughly competeat in all branches of the trade in greenhouse or garden, sither landscape fruit or vegetahle; 18 years' experience; ass referpaces givt n. Addres
E P, 6040 Chicago Ave., Oak Park, III.
Wantod-Smart ageat calliog regularly upoo the trade to take up the sale of lily of the valley pips for a reliable german grower. Ad dress

Box 145, care American Florist.
- Holp Wanted-AnA No. I rosegrower. Address whth tul particulars.
G. VAN Bochore \& Bro., Kalamazoo, Mich.

Holp Wanted-Youag maa with some experience as decorator aad store man. Address

Ocean Park florai, Co., Oceao Park, Ca
Holp Wantod-We want a live young man for our roultry Supply Departmeat. State full particulars. VADOHAN'S SEED Stone Chicago.
Holp Wanted-A good flurist who can grow Anericao beauty, Liberty, etc., sober and aot afraid to work. Address

Fred IIall, Montelair, Colo.
Help Wanted-A a order clerk a ad store salesman, one with a good knowledge of flower seeds aad placts preferred. Apply, statiog age, experieoce, etc., to \({ }_{714}\) Chestant Si., Philadelphia,

Halp Wanted-A good all-around florist, one looking for sn openiag to start husiaess for himselt preferred; also man for sawn moric on private place. Good wages. Address

Lewie the Flohiat, Pontiac, Mich.
Holp Wentod-Mas thoroughly familiar with growiog decorative plants commerciaily, who is villing to go to Porto Rical doe who has some capital preferred Address

For Salo-Retail flower storg; good location,
Chioago. Box 131, care American Florist.
For Salo-Five-acre tract of land, two houses, barn and greanhouse in flourishing town of 4,000 in southwestern part of Ohio. Good chance to do nice busioess, no competition. Address

TIAYNE SPECALTY Works, Miloo, Ind,
For Ront - At Frederick, Md.. greeahouses 18x63, \(1 \times x 107\) 20x182, boiler room 18x 80 , equipped with No. 8 Furman boiler, and small hester; ground; dwolliag for rent in immediate neighborground; dwelling ior rent in immediate nelghborhood, cosl, manure, labor cheap. city water; ao able in advance every six montbs. Ill health of owner compelled retiremeat from suco ssful busiaess: prinolpally vegetables under glass aod mushrooms for Wasbiugtou aud New Fork.

Henry Trail, Frederick, Md.

\section*{UNUSUAL OPPORTUNITY,}

For Salo-Greeobouse proferty, stock and retail businea, coosistige of eight greechouses and store, about 22,C00 feet of eqsa, fully stocked and in first-class ruaaing order, steam beat, electrle lighta, etc., aituated in wealthiest part of Philadelphia, right io ceoter of a growing population. Doiog a first class resail business. A spleadid opportunity; only mortas at at perceat. To cluse au estate. Box 144, care American Florist.

\section*{Pittsburg.}

WEATHER AFFECTS TRADE
Business is trying to be good, but the continuous severe weather blocks the transient sales to a considerable extent, thus compelling a great bulk of the trade to be carried on by telephone. The sale of carnations for McKinley day was far below expectations. The weather undoubtedly had much to do with the lack of interest.

\section*{notes.}
W. A. Clark, Fred Burki and J. L. Wyland have returned from the carnation convention at Chicago and praise each detail of what they state to be the finest carnation meeting ever held.
It is important that every member of the Florists' Club be present at the meeting which will be held February 7. Election and other things are scheduled.

The Florists' Exchange reports trade conditions as fine, but the supply of medium quality stock is insufficient to meet the demand.

The death of Charles Lockhart, one of Pittsburg's millionaires, created a great demand for flowers Friday and Saturday.

Butz Brothers, of New Castle, have given calla lilies a good deal of space, and they are proving a paying investment.

Visitors: S. S. Pennock, Wm. Swayne, and Martin Reukauf, of Philadelphia, and Charles P. Braslan, of San Jore, Cal.
W. C. Drews, of Braddock, has taken in a partner and has changed the firm name to the Braddock Floral Company.
J. B. Murdoch \& Company's Wilkins avenue plant was damaged by fire last Sunday night.
W. B. Flemm is still confined to his hnme, where he has been for the past three weeks.

The Valley Greenhouses, of Sewickly, are sending fine Harrisii lilies to this market.

Sidney Gibbs is in the front rank with his carnations, hyacinths and stevia.
J. B. Murdoch \& Company have been disposing of a great number of cattleyas.

The Pittsburg Cut Flower Company states that business is remarkably good. Charles Hoffmeyer, of Carnegie, is cutting fine Enchantress carnations.

John Baldinger bas entirely recov. ered and is back at work again.
V. Greer has opened a retail store in his own building at McKeesport.

The Barton Floral Company, Uniontown, Pa., reports a busy week.
C. J. Fuchs reports business on the south side good.
E. L. M.

\section*{Lowell, Mass.}

With the lengthening of the days the supply of flowers is rapidly on the increase, and at no other time this month has the supply been as great as it is at present. To inake matters more perplexing, business has fallen off considerably, and is now practically at a standstill. The ent flower end has suffered greatly owing to the blizzards. Some of the growers who are located away from the steam and electric roads were completely burien and could not reach town for several lays. An influx of bulbons stock has caused roses and carnations to take a tumble in price.
John Oliver is able to be out after
being confined to his home for several months. He had the misfortune to fall out of a tree while pruning, last fall, breaking his ankle.
Harvey B. Green was seen in a new role one evening last week. He gave a very interesting lecture on the "Geysers of Yellowstone Park' to a large audience at the People's club.
M. A. Patten, of Tewksbury, returned from the carnation convention at Chicago much pleased with what he saw.

Mr. McMulev, representing Sigmund Geller, New York, was in town last week.
A. M.

\section*{Davenport, Ia.}

Business for the past two weeks has been very brisk owing to the great amount of funeral work. Midwinter graduation exercises also called for many flowers. The weather for the past meek has been very severe, being below zero almost every night, with brisk winds.
The midwinter flower show at Cen tral park conservatories is now at its height. The central bench of the show house is filled with several hundred cinerarias, perfect specimens, some measuring nearly three feet across. The side bench contains 500 cyclamens, in 5,6 and 7 -inch pots, with a border of primroses. Superintendent Arp and his assistants can be justly proud of their show.

Andrew Bahr, one of the oldest florists in the three cities, is still to be found at the old stand. His specialty is roses, and they are looking as fine as usual this winter. Mr. Bahr has no use for raised benches, and grows all his roses in solid beds. On January 26 he was still cutting nice white chrysanthemums, the Queen.

Theo. Ewoldt and John Temple had figured on attending the carnation meet in Chicago, but as a blizzard was on hand at the time for departure, they thought best to stay at home and look after the fires.

Ted.

\section*{Montreal.}

Trade was very bright during the governor-general's visit. Red roses were searce. Several florists are bitterly complaining about western wholesale growers not accepting special orders for cut flowers, just filling standing orders.

On January 24 the board of trade gave a grand reception to Earl and Lady Gray, the new govcrnor-general of Canada and his wife. The reception hall was decorated by S. S. Bain and the dining room by P. McKenna \& Son. The decoration for the public reception was a grand display of floral art by Mr. Pinoteau, city gardener.

LUCK.

Jackson, Miss-W. J. Brown, Jr., had his greenhouses and contents destroyed by fire January 25 . Loss \(\$ 1,500\); insurance \(\$ 500\). Although badly demoralizerl, he is still in the ring.

\section*{Meetings of Florists' Clubs.}

Baltimore, MD.-Gardeners' Club of Baltimore, Royal Arcanum huildige, 18 W . Saratoge streat. Second and lourth Monday of each month, at 8 p.
m . Jobn J. Perry, Seo'y, 505 N. Eutam atreat. m. John J. Perry, Seo'y, 505 N. Eutaw atreet.

Boaton, Mabs-Gardeners' and Florists' Cluh
Boston, Horticultural Hall. Meeta third of Boston, Horticultural Hall. Meets third
Tuesday of ench month. October to March Tuesday of ench month, October to March
hncluaive. W. E. Fischer, Sec'y, 18 Union Terlucluaive. W. E. Fischer, Sec'y, 18 Union Ter-
race, Janaica Plain, Mass.

Buffalo, N. Y -Buffalo Florista' Club, 38 Ellicott street. Second Tueadsy of each month at 8 p. m. Wm. Legg, Sec'y, 1440 Delaware ave-

Butte, Mont.-Montana Floriats' Club, Columhis Gardens. Second Friday in each month. S
Chicago, Ill-Chicago Florista' Club, Handel Hall, 40 Randolph atreat. Second and fourth Thursday of each month. at P . m . Rober
Cnnconsati, O.-Cincinnati Florists' Suolety, Jabez Elliott' Flower Market. Second Saturday of each month, git 8 pm . Geo. Murphy, Sec'y sta.
Cleveland, O.-Cleveland Floriata' Club Togress Hall, 244 Detroit street. Second and fourth Monday of each month, at 7.30 p . m. Isaac nave, seo , west park.
Davenpit Roct Island anists Club, meet in Davenport, Rock Island and Moline, alternately, second Thursday of each month. H
eyer, Rock lsland, ill., Sec'y.
Dock. Second and fourth Friday of each month at 8 p. m. Adsm Balmer, Sec'y
Detroit, Mice.-Deiroit Florista' Club, Cowie
Building, Farran and Gratiot avenue. First and third Wednesday of each month at \(8 \mathrm{p} . \mathrm{m}\). J. F. Sullivan, Sec y, 214 woodward avenue.
Grand rapide, MicH.--Grand Rapids Florists' Club, Board of Trade rooms, Pearl atreet. Fourth Monday of each month. N. B. Stover, Sec'y, Grandville, Mich.
HaMllton, ONT.-Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month at 8 p. m. Chas. M. Webster. Sec'y.
Second and fourth Frides ord Florists' Club. second gnd fourth Fridey of each month at 8 p. m. W. W. Hunt, 80 Ann street, Hartiord.

解 of Indiana, Commercial Club rooms, Indianapolis. Firat Tuesday of each mont
Madison, N. J.-Morris Connty Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month at 7:30 p. m. in winter. S. Redatone, Secy.
Milwaukee, Wis.-Milwaukee Florista' Club. Meets first Tuesday of each month in Empire Building, West Water and Grand ave. H. V. Hunkel, Sec'y., 462 Milwaukee street.
MINNEAPOLIS, MinN. - Minneapolis Florists, Latbam's Conservatory, 83 S . Tenth Street. First Friday of each month, at 8 p. m. R. A. Latham, MON.
Monteeal, Que.-Montreal Gardeners' and Florista' Club, Alesandria rooms, 2204 St. Catherine streat. First snd third Mondey of each month. W. H. Horobin, Sec'y. 23 Closse street.

New Bedford, Mase.-New Bedford Florists club, second Thursday of each month. Wm. P. Pierce, Sec'y.

NEw London, Conn.-Gardenera' and Florists Club, irst and third Tuesday of each month at
 Grand Opera Houae Bldg., 8th avenue and \(23 d\) St Second Monday of each month, at 7:30 p. m. John Young, Sec'y, 51 West Twenty-eighth street, New York
Omala, Neb. - Nebraska Floriats' Soclety, City Hall. Second Thursday in each month at 8 p. m. Louis Henderson, Seo'y, 1519 Farnam treet, Omsha.
Phlladelphia, Pa.-Florists' Cluh of Philadelphia, Horticultural Hall, Broad streat ahove Spruce. First Tueadsy of each month, at 8 p. m. Edwin Lonsdale, Sec y. Yndmoor, Philadelphia Pitprebung, Pa-Pittshurg and Ahegheny FioSecond Thursdsy of erch month, at 8 p m H. P. Joslin. Sec'y, Ben Avon, Pa.

Providence, R. I.-Florists' and Gardeners Club of Rhode Island, 96 Westminster street Providence. Second Thursday of eaoh month, at 8 p. m. Wm. E. Chappell, Sec'y, 333 Branch avenue, Providence.
Richmond, IND.-Richmond Florista' Club, at the greenhouses of members. Third Mondsy of each month. H. C. Chessman, Seo'y.
Salt Lake City, Utah.-Saht Lake Flotiata' Society, office of Huddart Floral Company, 214 E. Second South street. Second and fourth Friday of aach month. P. T. Huddart, Soo'y. San Franclbco, Cal-Preific Coast' Hortioultural Society. First saturdsy and third Monday of each month. Thos. H. Munroe, Sec'y.
St. Lourg, Mo.-St. Louis Florists' Clab, Odd Second Thursday of each month, at \(2 \mathrm{p} . \mathrm{m}\). Emil Second Thursday of esch montb, at 2 p. m. Emil Schrav, sec y. 4101 Pennaylvanis avenue, St. Louis tural Club. Firatand Cherry streets. At call of the president. Wm. Hopkins, Sec'y, Fifth and Galer street.
Tononto, Ont. - Toronto Gardeners' and Florista' Associstion. St. George's Hall, Elm street. Third Tueaday of each month, st 8 p.m. E. F Collins, Sec'y, 2 Hurst place. Toronto.
Orica, N. Y.-Utica Florists' Club, 183 Genesee atreet. First Thuraday of each month at 8 p . m J. C. Spencer Sec'y.

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\section*{Cleveland.}
market shows tone.
Business for the past week has been better than any time since the holidays. Something of the old time snap and vim was noticeable and stock was cleaned up every day with hardly enough to go around. Roses were very scarce, good stock bringing \(\$ 10\) per 100. American Beauty is decidedly off crop. Meteor is becoming more plentiful with demand rather light. Mckinley day brought a great demand for red and dark pink carnations. It is estimated that more than double the quantity were disposed of this year than last, which goes to show McKinley day will become an important factor hereafter in the carnation market. Violets are moving a little better and good tulips find ready sale.

\section*{notes.}

At John Merkle's place the same condition of things prevailed. Carnations are grown on an extensive scale; all the new varieties of any merit are tested. A bench of White Lawson was very good and gives promise of being a very good thing. Boston Market is also grown and is considered one of the best. His new 300 -foot house which was such a sight in the fall with bloom, was partially off but from the healthy condition of the plants an immense crop will be cut later.

The writer took a trip to Mentor lately and found everything among the growers looking in fine condition. Carl Hagenburger's place never looked in better shape than at present. His carnations are in the pink of condition. Lawson and Enchantress are the principal ones grown for pink; Boston Market is considered the best white and several of the newer kinds are being tested with varying success. Boston ferns are grown in abundance also lilies and lilacs.

At A. Graham \& Son's place are a number of carnation houses that are well worth seeing. Enchantress and Lawson carnations are fine. Everything is grown for a hig retail trade. The special brand of lilies grown are as fine. They remind one much of the old time Harrisii as grown twenty years ago.
Mrs. A. Graham and son, Edward, have gone to Hot Springs for a protracted stay

Echo.

\section*{Denver.}

Business remains about the same. Bulb stock is coming in very plentifully, such as tulips, lilies of the valley, Paper White narcissi, and they are very fine.
Mrs. Johnson, of Boulder, Colo., expects to close a deal on her greenhouses and turn them over to Mr. Fawcett. Mr. Faweett is an old-timo florist. Ife was formerly engaged in the florist business in Washington, D. C. Mrs. Johnson has startell a retail store in Pueblo and seems to be doing very well.
Daniels \& Fisher will have some good wedding decorations in the next two weeks.

Platte.

\section*{habdy cut dageer and fancy ferns.}


We carry the finest and most complete line of Decorative Evergreens and Fiorigis' Supplies. Our bpenialties are DAC. CER, 81.50 and FANCY FERNS, A1 quallity, 81.50 per 1000 . CREEN OA AX 81.00 per 1000 . RiLLIANT Bring good and ull, haadmade be and 60 per yd. Green and Sphagnum Moss, 1.00 per bbl. Sphagnum Moss, b0c per bag; 5 begs, \(\$ 2.00\). vy Leaves. 84.00 per 1000. Sprengeri, 250 and 50 c per bunch. Asparagus Plumosus, 500 per bunch or string. Leucathoe Sprays, \(\$ 1.00\) per 100; \(\$ 750\) per 1000 .
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As we are not handing Azaleas for Easter this season we offer a flne lot of this most valuable variety in flue bushy, well budde 1 plants to close out quickly. \(\begin{array}{ll}10 \text { to } 12 \text {-inch crowns........... } 84.50 & 83500\end{array}\)
 12 to 14 -inch crowns.......... 6.00 \(45.00 \quad 18\) to 20 -inch crowns............................ 00 14 to 16 -inch crowns........... \(7.50 \quad 5500 \quad 20\) to 22 -inch crowns................................ 3.00 Outside of the above we have nothiog left in Azalpas except a limited lot of mixed
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Note.-The above prices are practically the same as those at which we book import ordera, they are made low to move the plents at once, the stock is of good quality, but is limited; apeak quickly if you want them

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An unusually fine lot of well-budded plants 15 to 18 ioches high. A plant that is rapidly gaining favor for early and late foroing; it is protitahle stock for the retailer to hasdle, as itcan be grown at a minimum cost for heat and labor. \(\$ 1.50\) per dozen;

Deutzias, \(\underset{\substack{\text { for } \\ \text { \&R }}}{ }\)
Strong, shapely, 2-vear-old fleld-grow o plants, suitable for 6 -inch pots Gracilis Rorea. 8100 per dozen. 8800 per 100 \(G r a c i l l s\) Lemoinei, \(\$ 1.00\) per dozen; \(\$ 8.00\) per 100

\section*{Forcing Rhododendrons.}

For a late Easter will fll a vaoancy where Azaleas canoot be retarded; they are becoming more popular every geason; you will fad it probtable to try these. We are inches high, \(\$ 900\) per dozen; \(\$ 7000\) per 100. 20 to 21 ioches high, foe specimens, \(\$ 11.00\) per dozen; \(\$ 80.00\) per 100 .

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The most valuable bedding rose fet introduced. A plant which will be in stroog demand for a long time. We offer good planta suitable to use for atock plants, oneyear field-grown, suitable for 4 -inch pots, \(\$ 5.00\) per dozen; \(\$ 35.00\) per 100

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\section*{BOOKS FOR FLORISTS.}

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\section*{The Seed Trade.}

\section*{amirican seed trade assoclation.}

Clas. N. Jage, Dus Muines, Ia., Pres.; L. 1. May, St. Pina, Minn., First Vice-Pres.; Twenty-third anmal conventionat Alexandria lisay, N. Y̌., June 2u-zo, 1905.

Onion Sets remain firm at about prices stated in our last issue.

Jesse E. Nortimeur is at French Lick Springs, Ind., for a bricf period.

Visited Chicago: A. J. Brown, Grand Rapids, Mich.; Jesse E. Northrup, Minneapolis Mino.

Oelahoma City.-W. O. Church is now owner of the stock of the Wakker Seed Company, incorporated.

The large number of subscriptions to the Vilmorin monument from the United States is ample evidence that the sptendid work of the Vilmorin family is well :1ppreciated in this country.
slabs, Roebuck \& Company, the extensive general catalogue trade house of Chicago, have secured the services of fr. W. Weston, formerly on the floor at Yanghan's seed store, for their new sped department.
Fiederickton, O.-J. B. Agnew, of the well known California firm of seed urowers was here recently, one of the objects of his visit being to establish a growing plant for the production of onion seed. Murray J. Agnew, of this city, will take charge of the new seed farm.
Washington, D. C.-It is reported that the Brown Bag Filling Machine Company has asked for au iujunction against the machine operated in the Department of Agriculture by James L. Drohen who has the contract for putting up the packets for the government this year.
Secretary of the Treasury Sifat has sent a message to both houses of congress recommending refund of duties paill on imported wheat used for seed. Why could not Secretary Shaw ask that semismen be supplied with some information regarding the market value of imported seeds grown on contract?

Reiorts from southern France bulb districts indicate severe and dry Weathrer the middle of Jannary, which is unfinvorable to narcissi and freesias. It is too early, our correspondent says, to give very definite information, but the crop of good sized Roman hyacinths onght to be better than last year, and our correspondent does not antioipate higher prices in a general Wiay on French bulbs than the preceding spatison.
holland Pule growers held a general meeting January 20 to consider, not so much the prises for 1905 , but to

\section*{3,700 ACRES OF GARDEN SEEDS in cultivation.}
arrange shorter credits. The general feeling among growers is that hyacinths ought to le a little higher than in 1904 , as they have been selling very close, and at any rate are not likely to go lower. Tnlips, about the same, with a few named sorts cheaper. The autumn planting season was very favorable for nareissi, and a good crop may be expected, with prices about the same. The weather up to January 16 had beeu mild, and a colder spell was needed.

Boston.
trthur Holland, recently of R. J. Farquhar \& Company has gone to New York to take charge at Weeber \& Don. He has the best wishes for success from a host of friends made during his stay in Boston.
John P. A. Guerineau, of Schlegel and Fottler Compray, has been in Newport for the past week and reports a very successful trip.


Fied H Bateman.

Maurice Field, of W. W. Rawson \(\mathbb{A}\) Company, is convalescing from a severe attack of the grip.

Newport, R. I.
M. B. Faxon, whe for the past two years has had charge of the seed department of the George A. Weaver Company, has associated himself as seedsuan with William B. Scott \& Company; Mr. Scott was manager of the George A. Weaver Company for some twenty-five years, and a year ago established himself in business with his two brothers.

It begins to look as if a hotel would not le constructed out of the George A. Weaver Company's store, as that company has been advertising that "Regardess of reports we stilt intend to carry on husiness at the big store, 19, 21 and 23 Broalway.'
LEONARD
wrotar pex SEED headquarters HEADQUARTERS Flowor Soede
FMB
ONION
ONETS. Bulbs.

\section*{Fred H. Bateman.}

It affords us considerable pleasure to present herewith a portrait of Fred H. Bateman, so well and favorably known in connection with the "Iron Age" implements of the Bateman Manfacturing Company, of Grenloch, N. J. Mr. Bateman was born at Grenloch, May 7, 1873. He worked in the factory during school vacations, until after graduating from the Eastburn Academy, of Philadelphia, Pa., June 17, 1893. After a short period in the machine shops of the factory he was sent to attend some state and county fairs in exhibiting "Iron Age" implements. From his successful work and acquaintances made at the fairs, he commenced to travel and was kept on the road until October 1, 1901, when he became, at 28 years of age, secretary and treasurer of the Bateman Manufacturing Company. Through satisfactory services rendered and owing to the desire of his father to transfer the management of the business, on August 6, 1902, he was given the general management, which position he holds to-day. Under his dtrection the business has grown rapidly and the "lron Age" goods in great popularity.

\section*{Petty Larceny}

Representative Lilly of Connecticut denounced the free seed distribution custom of the government as petty larceny Jamary 27. The house nevertheless passed the agricultural appropriation bill.

\section*{Canadian Seed Inspection Act.}

In the Canadian parliament, Jasuary 23, Sydney Fisher gave Dotice of a resolution respecting the inspection and sale of seeds and slucceeded in advanciog it through the initial stages. The bill is only slightly different from the measure which was before parliament last session and the session minister of agriculture explained that the bill had been amended to meet the chief criticisms urged against it
W. F. Maclean suggested that it was useless to introduce the bill session after session and waste the time of the house in discnssion that ended only in withdrawal. He hoped that this session the bill would be pushed through and become a law. Mr. Fisher promised to make the hill law this session if the house would co-operate with him. The resolution was then reported.

James J. H. Gregory at Seventy-Eight.
In my seventy-eighth year I sit down to send my anlual greetings to the many thousands of fri•ads with whom 1 bave enjoyed many seasons of pleasaot intercourse; with some of you well migh to fifty years. I trust that this finds you moving the blessings of food health and prosprrity, not only in worldy affairs but in ever:linod and nobler womanhood. I am liappy to be ble to say nor \(I\) womanhood enjoyment of many bl-ssings, physical, mental and moral, for which I daily thank that dear father and mother (long since departed this earth) who gave them to me as heriage, and the weat we en:bled to all throughessius to their miny children. Not ransme bern blecseal with a fanily of my own. adopted at one time in carly marriace jife four iittle children, straugers to me and strangers to eacla other: these 1 ducated (and many other unfortunate ones) and now in my declining years. I cujoy the pleasure of beiny called "Graddpa" he seventern bright, healthy hitte oues.
1. I. H. Gnetony

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Seeds for present requirements ready to ship. Contract orders for delivery aiter pean 1905 ire beiog booked now. Bosns, Poal and
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Imperial Dwarf, wbite
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Alyssum Sweet ................1h \(\$ 1\). 5
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1b., 83.50
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ASPARACUS Plumosus Robuatus, new, per 100 seeds, \(\$ 1.00 ; 100 \mathrm{~J}\) seeds, 810.00 .
Sprongori, 100 seeds, \(15 \mathrm{c} ; 1,000\) seeds, T5c; 5,000 seeds,
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Comoronels, per 100 seeds, \(\$ 1.25 ; 1,000\) seeds, \(\$ 10.00\).

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Contaurea Gymnocarpa...Ib., 22.75
Clematis Pauicnlata, white, sweet
Clnerarla Maritiroa "Diamond."
This is one of the finest foliage bedding plants. The leaves are
broad, suow-white and lasting. 15
Clnerarla Maritima Candidissima. . 10
Cobaoa Scandons
Coleun, Nammoth Rainbow vi...................
Colut..................1-32 oz, 50c .20
cholce mixed........................ . 20
DAHLIA, Burbank's Sa'eotion. The seed TV writes: "This seed will produce a greater proportion of large, clear, bright colored, perfect doublo flowers than any ever before offered; 90 per cent of good flowers can be expected." Blooms the irst year from seed.
Plit. ( 100 seeds) 50 c .
DAISY, Non Plus Ulitra, best white
Dracaona Indivisa........... 1b., 跑50 \(\$ .10\) \$. 5 Now Shasta Daleles ....1-16 oz,\(\$ 1.00\). Vaughan's Early and Late Floworing Forget-me-not......4 1 oz, whe.
Grevillea Robusta (Silk Oak) ...........
Hollotropa, Lemoine's Giant,...
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IPOMEA Nooliflora Moonfloter- Trade Pkt. Uz. White seeded …. 100 seeds, \(50 \mathrm{c} \ldots\)... \(10 \$\). 50 New Hybrid. blooms early......... . . 10 . 40 Lomon Vorbena ............ \(14 \mathrm{oz},. 40 \mathrm{c}\)
Linaria (Kenilworth Ivy) .15
Li
oz., 40 c
.15 Lobolia, Crystal Palace Compacta, Speciosa, dark flowers and foliage for hauging baskets... 14 oz . the
 Bedding Queen............ 新 oz., 25c Matriaria Capensis fl. pl. Double IThite Feverim.
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\section*{Northern Greenhouse Grown Sced-Per 100 seeds, 750 ; \\ 5000 seeds, \(82020 ; 10,000\) sceds, 422.50 . Price for harger lots on application.} Soutberu Outdoor Grown seed-Per 1000 seeds, \(8350 ; 5,000\) seeds, \(\$ 1600 ; 10,000\) seeds. \(\$ 30.00\).

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the Worid's Fair. the Worid's Fair. it is to-day better and more complete than ever. It contains the cream of the
stock of 10 Pausy \(S\) pecialists. There is no better stock of 10 Pausy Specialists. There is no better
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or used it can tell you Price per oz., \(\$ 10.00\) : or used it can tell you Price per oz., \(\$ 10.00\); \(1 / 2\) oz., 85.00 ; !. oz., \(81.50{ }^{\circ}\); trade pkt., 50 c .

\section*{Vaughan's "Ciant Mixture."}

This mixture is specially made by us from all the separate colors of Giant Trimardeau, the Giant lsugnot and Cassier and several special strains which cannot be bad any other way. If mixture Price trade pkt., 25 c .
Patunla, "Waughan's Best" Mixture of Large Flowering Petunias, trade pkt., (1,t00 seeds) \(50 \mathrm{c} ; 3\) pkts. for \(\$ 1.25\).
Polunia, Howard's Star. Distioct from Ioimitarich velvety crimson-maroon. The color is as for borders, hanging baskets, vases, etc. Pkt. ( 500 seeds)
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Potunla, Double pure white, 250 seeds, 50 c
Potunia, Extra Large Flowering, double Iringed. cont extra choice stramp produces about 30 per cent of splendid double fringed flowers. Trade
pkt. (500 seeds) \(60 \mathrm{c} ; 1,000\) seeds, \(\$ 1.00\). pkt. ( 500 seeds) 60c ; 1,000 seeds, \(\$ 1.00\).

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Pyrathrum, Golden Feather............8. 10 \& . 30 Salvla Splendeos, Clara Bedran (Bon-
fle)
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"Drooping Spike, , ..... yoz.. 50c . 250 Smllax, new crop, \(1 / 1 \mathrm{lb}\)., 70c; lb., 82.50 . 10 . 25 STOCKS, Largo-Flowering German 10 Wooks. Pure White, Brilliant Rose, Bright Crimson, Brice each above per Light Blue, Canary rellow, ( Trade pkt, Oz .
Large Flowering, extra choice m'xd 8 , 0,00
Thunbergia, Mixed........... 4 oz., \(\$ 1.00\). 10 . 40


 Mammoth, white
Hayflower ......


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Vaughan's Seed Store,
}

NEW YORK, 14 Barclay Street.
Greenhouses, Nursery and Trial Grounds, Western Springs, III.

Huntsville, Ala.-Gustav Hoffman who has been engaged in the florist business here about a year is strangely missing. He left for Decatur several weeks ago for the purpose of buying some pipe and has not been heard of since.

Is a first vital tatemeut ronerrining ulf competitive business in almost every posible line, I nate to say to the young inan phtpring buaioess to the end. There is no escaping it. There is no other price to pay for busine- suroess. Slarery who price of sucress itu busines and the man faviog him as the inevitalice Confessions of a Business Mfan

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than the products of any other brand! leaides aqveral Gold Medals, tbey won a Urand Prize for vegetables at the St. Louls Expoaltion. \({ }^{\text {witl }}\) lf youl infend to irv Burpee's Seeds, we will mall free our Complete Cetelogue ol 178 pages, with beautiful colored plates and illustrations from photographa taken at our famous Formeook Farms, the largest Trial Grounds in America It you garden for probit or a florist you should also bave liurpes's "Blue List" or Wholesale Price List for Market (iardegers and Floriats. WRITE TO-DAY.
W. ATLEE BURPEE \& CO \({ }_{1}\), seed Growers, PHILAOELPHIA.

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E. W. Kirkpatrick, McKinney, Tex., Pres.; C. L. Watrous, Des Moines, Ia.. Vice-I'res. George C. Seager, Rochester, N. Y., See'y. Springs, Ind., June, 1905.

Donge City. Kat.-R. M. Right bas resigned as state forestry commissioner, to take effect March I.
At this late date, nearly 109 years after the poet's death, few will recall that the father of Robert Burns. Scetland's illustrious bard, was a nurseryman.

Oleat, N. Y.-Governor Higgins las presented the park commission with \(\$ 1,000\) for the purpose of beantifying the parks and public grounds in the center of the city.
Des Queen, Ark.-The Arkansas Orchard Planting Company of St. Louis has been incorperated with a capital of \(\$ 50,000\), Bert Johnson, of this city, being the president.
Providence, R. I.-The Rhode Island Horticultural Society at its annual meeting January 18, elected the following officers: President M. M. Burdick; secretary and treasurer, Charles W. Smith.
Trenton, N. J.-At a meeting of the New Jersey State Horticultural Society, January 7 , the following officers were elected: President, William H. Skillman, Belle Mead; vice-president, Horace White, Fellowship; secretary, Henry I. Budd, Mt. Holly; treasurer, Ira J. Blackwell, Titusville.
Huron, S. D.-The South Dakota Horticultural Society closed its annual meeting January 21 with the election of the following officers: President, M. J. DeWolf, of Letcher; vice president, N. O. Syneground, of Groton; secretary, N. E. Hanson, of Brookings; treasurer, J MeD. Campbell, of Huron.
Norfolk, Va.-Bids are desired by the Jamestown Exposition Company for nursery stock as follows: Willow cuttings, 60,000; willow plants, 60,000; supplying, transporting and transplant ing large trees, and supplying, delivering and planting 70,000 plants of wire or beach grass.
Madison, Wis.-The annual meeting of the Wisconsin State Horticultural Society will be held at the Guild hall February 7 and 10. An elaborate programme has been prepared and prizes are offered for fruit and other exhibits. Full particulars may be had on appli. cation to Sceretary F. C. Cranefield, Madison, Wis.

\section*{Western New Xork Hort. Society.}
fiftietif annual meeting.
The Western New York Horticultural Society celebrated its fiftieth annivergary January 25 and 26 at Rochester. In spite of the mest unpropitious weather of the season several hundred members were in attendance. Many prominent men in the fruit growing world attended the meeting, bringing with them congratulations from numerous kindrer societies and from several agricultural institutions.

The programme was largely retrospective and historical, yet many practical questions were discussed. Particularly worthy of note was an address by Professor L. H. Bailey on the history of the society, in which the organization, achierements, and the present and future work of the society were set forth. Dr. Jordon of the Geneva experiment station also gave a most instructive address on "Horticultural Science.' Among the practical questions discussed, spraying for San Jose scale received the most attention.

The exhibition of fruits was one of the best the society has ever made. The display of apples was particularly fine, at least 300 sorts being shown. A splendid line of spraying machinery was exhibited, the power spraying outfits receiving much attention. Fruit packages, picking devices, ladders and other orchard implements were much in evidence.

The following officers were elected: President, William C. Barry, Rochester; rice-presidents, S. D. Willard, Geneva; J. S. Woodward, Lockport; Albert Wood, Carlton Station; Grant G. Hitchings, Syracuse; secretary-treasurer, John llall, Rochester.
U. P. II.

\section*{National Retail Nurserymen}

So rapidly has the National Association of Retail Nursergmen grown that at its second annual meeting a two days' session is necessary for the transaction of all the business to come before it, says the Rochester, N. Y., Post Fxpress of January 25. The association was organized last year at a dinner at the Powers hotel, when William Pitkin was elected presideut and J. B. Kiley secretary. It is a trade organization for the social and business advancement of the members. The majority of the members are retail dealers in mursery stock. At the dinner at the Masonic club last night several wholesale growers were present.
William Pitkin pressded. Professor John Craig, of Ithaca, talked of the ethics of horticulture as applied to the nursery trade. John B. Morey, jr., of Dansville, referred to the retail and wholesale branches of the trade, Rev. Dr. S. Banks Nelson, of St. Peter's chureh, said he was in the nursery business only in a small way at bome and that for a time he bad been in doubt as to what he could offer for the consideration of the growers of trees and plants. He remembered that nursery catalogues contain long lists of Latin names of varieties, so he decided to talk for a little while on "Verbum Sap." His word to the wise was aptly put and duly appreciated, for he drew from the methods of the nurserymen, in improv ing varieties by pruning and budding and grafting, the lesson of improvement in the characters of men. Yorke and Adams, comedians, entertained the party and the dinner was brought to an end by the singing of "America.' The dinner committee was composed of B. F. Allen, II. S. Taylor and W. W. Wyman.
Following are the nursery firms repre sented at the dinner:
Allen Nursery Co., four seats: "American Frults", magazine: \({ }^{\prime}\) Brown Brotbers' Company, elght: H. J.' Bowden, E. G. Bowden, P. W.Butier. E. Brown Company, John Charlton \& Sons, Charlton, Nursery Commany, thrce: Chase Brothers' Company, sev-
enteen; Gilbert Costich, two; Ellwanger \& Barry, two; Glenn Brothers, two; F. E. Grover \& Company, Graham Nursery Company, two; Gillies Lithngraph Company, two; Hawks Nursery Company, three; Hooker. Wyman \& Company, six; George Jenny, J. B. Kiley, R. D. Leutchford, W. H. Mead, George Moulson \& Company, Oliver Brothers, C. H. Peck, H. C. Peck, H. D. Pratt, Rochester Lithograph Company, Irving Rouse, D. A. Skuse, Rochester Nursery Company, W. W. Steele, Taylor Nursery Company, four; Western New York Nursery Company, two: Al'en L. Wood, Cick \& Hemes Vick's Sous, two; Vill two; Vredenburg \& Company, two.
The out-of-town firms represented were: Nelson Bogue, Batavia; R. G. Chase Company, Geneva, two: Clark Nursery Company, Waterlon; George Brothers, East Penfield; Hill Brothers, Irondequoit; F. M. Hartman, Dansville; Jackson \& Perkins Company, Newark; George Josselyn, Fredonia, two; Maloney \& Sons, Dansville, two J. Frank Morris, Brighton; Peirson Brothers, Waterloo; W. \& T. Smith Company, Newark, fire: Storrs \& Harrison. Painesville, Obio J. H. Dayton, representing the last named company, was the only persou present from other than New York state.

\section*{Eastern Nurserymen's Association.}

The annual meeting of this associa tion was held at Rochester, N. Y., January 25. The following officers were elected for the ensuing year: Presi dent W. C. Barry; vice-president, C. H. Hawks; secretary and treasurer, Wm. Pitkin; executive committee, Irving Rouse, George A. Sweet, C. J. Brown, C. W. Stuart, W. C. Barry and O. G. Chase, the last named taking the place of Wing R. Smith, of Syracuse.

It was decided to act with the trans portation committee of the American Association of Nurserymen in the matter of freight rates, with a view to securing a less prohibitive classification of nursery stock.

\section*{Nashville, Temn}

The Tennessee Morticultural Society was organized January 2 , the following officers being elected: President, Charles R. Keffer, professor of borticulture, University of Tennessee; secre-tary-treasurer, Prof. George W. Martin, state entomologist; vice-presidents, for East Tennessee, J. A. Wallis, of Spring City; Middle Tennessee, R. A. Wilkes, of Culleoka; West Tennessee, W. H. Rochelle, of Medon. A number of fruit growers from various parts of the state attended the meeting, Congressman N. W. Hale, from Knoxville, being among them.

\section*{RHODODENDRONS,}

10,000 , all sizes; large sizes to \(5 \times 5\) feet. Write for kinds and prices.
C. J. NOTMS, PENDLETON Manchester, England.

\section*{TottenhamNurseries, 11}
A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)
Headquarlers for Hardy Perennials (among Which are the latest and choicest, devated for growing this ine as Anemone, Aster, Hepatica, Incarvillea, Itis, Peonies, Phlox decussata and sufruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (specially young choice varieties lo be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

\section*{TREES}

Frult Trees, Small Frolto, Ornamental Trees Evergreens and whrnbs, ihade Trees, Il ardy Roses, ilardy Plants. Gold Medal-Paris-Pan-AmericanFair, 1904.
Illustrated Descriptive Catalogue FREE on Request.
ELLWAMGER \& BARRY
Mt. Hop
Eatabllahed 65 Year

\section*{SilverRibbon Grass}

The new hardy perennial. The finest ornamental grass to be had-perfectly hardy can be used indoors and out. grows rapidly and does not turn green or run 10 seed. Strong field-grown \(\$ 1.25\) per dozen; \(\$ 8.00\) per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.
James Vick's Sons, ROCHESTER, N. Y.

\section*{W. van Kleef \& Sons, \\ Wholesale Growers of all} kinds NURSERY STOCK.
BOSKOOP,
HOLLAND,
Catalogus free on demsnd. No Agents. Pless

\section*{Beautiful Grounds.}

An Mustrated Manual containing suggestion ou Lawn Making, Planting and cars of Shrubs iss hards, with names and descriptions of varie ng Landscaps Plans. \(\eta\) 保 etc. A bonk you will often refer to. Send for it to-day. Free on application.
Pelerson Nursery, 503 W. Peterson Ave., Chicago.

\section*{Jacs Smits, Ltd. NAMADENA.) (BRANCR AT BOgKOOP.)}

Wholesale Growers of Hardy Fancy ursery atock pot-grown forcing plents menta nursery stock, pot-grown forcing plants. Lilac beet quality. Catalogue lree on demand.
When in Europe please inspect our nurseries. MAARDER-EUSSUM, vear Amstordam, ls eur F. R. Dopot

\section*{August Haerens' Nurseries,} SOMERGEM, CHENT, BELGIUM Furnish Palms, araugarias, gay thees, ficus and ther decorative plants for 1905 , spring delivery paoking. Trade list sent by the Amerlean Agente
August Rölker \& Sons 31 Barclay St., P. O. Box 752, NEW YORK.

\section*{Munson Nurseries}

New catalogue now ready. "Can't buy trees T. V. MUNSON A SON, Denison, Tox

The MUNSON GREENHOUSES. Cut flowers and Bedding plants for retail trade. WILL B. MUNSOn, Denison, Ter

\section*{Philadelphia Rambler.}

Flowers brighter and muoh more doubls than Crimson Rambler, strong grower, blooms earlier and doss not blesoh ont. Fleld plants, 2 to 3 ft ., 82.00 per doz. \(: 815.00\) per 100 The Conard \& Jones Co., wesiferict

ORDER
NOW

\section*{HAROUSHRIBSS,RAMBIERS} and hYBRID ROSFSS EASTER FORCING

\section*{Each Doz. 100 \\ GRUSS an TEPLITZ, strong, 2 Doz. 100} grown for 7 -inch pots... \(\$ .15 \$ 1.50 \$ 1: 00\) DEUTZIALEMOINEI, pot
grown lor 7-inch pots..... . \(40 \quad 350\).85.00
AZALEA MOLLIS, mixed
kinds, 20 buds
40 \(100 \quad 30.00\)
RHODODENDRONS, for
loreing, busty buds..................... \(1.00 \quad 1100\)
For forcing, large plants, 00 oon
Doz.

HYDRANGEAS, Otaksa, 凡e
Branched, pot-grown, for forcing. 500 3̄. 00 CRIMSON RAMBLERS, strong,


\begin{tabular}{|c|c|c|}
\hline GRUSS an TEPLITZ, strong, year old. & \[
2.00
\] & 15.00 \\
\hline \multicolumn{3}{|l|}{MAMAN COCHET, strong, s-year} \\
\hline & 200 & 15.00 \\
\hline HERMOSA, strong, 2-year & 2.2 & 1600 \\
\hline \multicolumn{3}{|l|}{CLOTHILDE SOUPERT, strong} \\
\hline field plants & 1.5 & 10.00 \\
\hline AMERICAN BEAUTY & 2.00 & 1500 \\
\hline KAISERIN AUG. VICTO & 2.50 & \(\stackrel{90}{ } 9\) \\
\hline PAUL NEYR & 25 & 30.00 \\
\hline LA FRANCE & 200 & 15.00 \\
\hline \multicolumn{3}{|l|}{Anna de Diesbach, Perle des} \\
\hline Blanches, Capt. Christy, Fisher & & \\
\hline Ilolmes, General Jacqueminnt. & & \\
\hline John Hopper, Mad. Gatoriel & & \\
\hline Luizet, Mad. Caroline Testout. & & \\
\hline Magni Cbarta, Marshall P. & & \\
\hline Wilder, Mrs. John Laing, Ullrich & & \\
\hline Bruuner, Etc., all at. & 1.50 & 11 \\
\hline
\end{tabular}

\section*{VAUGHAN'S SEED STORE, Chicago.}

Greenhouses and Nurseries, Western Springs, III.

\title{

}

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, 1 st grade, 6 to 8 inches, once transplanted, \(\$ 3.00\) per 100; \(\$ 25.00\) per \(1000 ; \$ 1+5.00\) per 5,\(000 ; \$ 200.00\) per 10,000 .
ALSO THE FOLLOWING: Per 100 Per 1000

BUXUS ARBOREA, 2 years, 6 to 8 inches..................................... \(\$ 2.00\) \(\$ 18.00\)
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.............................. 1.50 12.50
EUONYMUS JAPONICUS, 1 year, 6 to 8 inches.............................. 2.00
EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.......................... 3.00
RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches........................ 4.CO
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years......................... 4.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches................... 5.00
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches.................................................................
BIOTA ORIENTALIS, Rosedale, 1 ft., very fine............................... 10.0
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine................... 15.00
JOSEPH W. VESTAL \& SON, Little Rock, Ark.

\section*{Forcing Stock for Easter.}

AZALEA MOLLIS full of buds, nics even beads. force essily. 12-15 in. high, 83000 per 100: \(15-18 \mathrm{in}\). hieh \(\$ 4000\) per 100 DEUTZIA CRACILIS. grown especially for pot culture: very buyby; 1215 in . high, for 6 -in. pats, \(\$ 300\) per ilo; \(15-18 \mathrm{in}\), high, for 7 in. or 8 -in pols 8800 per 100.
DEUTZIA LEMOINEI-Similar to Gracilis, but stronger grower, 15-18 in. high, Por 6-in
pots, \(\$ 8.00\) per \(10018-24 \mathrm{in}\). high, for 7 or
-jn. pots, \(\$ 10.00\) per 100 . RHODODENDRONS-Best named Mybrids, busny and tull of buds, 20 in . high, 8900 per dozen: \(2 \neq\) in. high. \(\$ 1 \% .00\) per d
high (heavy) \(\$ 24,00\) per dozen. SPIRAEA JAPONICA, \(\$ 3.00\) per 100 . SPIRAEA NANA COMPACTA, \(\$ 4.00\) per 100.

\section*{SurplusTreeseeds.}

500 lbs. Catalpa Speciosa,
500 lbs Black Locusl. Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

\section*{FOREST NURSERY AND SEED CO.}

IRVING COLLEGE, Warren Co.. TENN.
Please mention the American Florist when writing.

\section*{Sead to \\ THEMOON \\ Company}

For \(\{\) Trees, Shrubs, Vines Your \(\{\) and Small Fruits. Descriptive Illustrated Catalogue Free THE WM. H. MOON OO Morrisville, Pa.

California Privet i, inand yaras. Also out accepted on lots of 5,000 to carloads RIVER VIEW NURSERIES,

\section*{Our Pastimes}

Announcements of coming contests or other vents of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to J. H. Pepper, 4~stnat St. Philadel rork; Robt. Kiph,
or to the American Florist Co., Chicago

\section*{At Washington}

On Jannary 20 a close contest took place between the Florists and Saengerbunds. The score follows:


\section*{At Denver.}

The Denver florists rolled another series last week with the following scores:
\begin{tabular}{|c|c|c|c|}
\hline & 1st & 2d & 3 d \\
\hline C. Benson & 157 & 147 & 107 \\
\hline C. Mauff & 150 & 98 & 107 \\
\hline Cooper & 114 & 140 & 139 \\
\hline Glauber & . ............ 139 & & \\
\hline Totals & . 560 & 623 & 455 \\
\hline & team no. 2. & & \\
\hline Player. & 15 t & 2 d & \\
\hline Frazer & 157 & 168 & 129 \\
\hline Busb & 168 & 139 & 147 \\
\hline Scott & . 148 & 148 & 202 \\
\hline Tot & 605 & 552 & 577 \\
\hline
\end{tabular}

\section*{At New York.}

The New York bowlers played a return match with the Matisou, N. J. florists January 20 on the New York alleys, the result being a victory for the New Yorkers. Refreslments were provided, and a very enjoyable evening spent. Following are the seores:
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{madison.} \\
\hline Player. & 1st & 2 d & 3d \\
\hline Duckham & 136 & 146 & 185 \\
\hline Robhine & 117 & 133 & \\
\hline Keating & 134 & 183 & 133 \\
\hline Plusch & 112 & 181 & 108 \\
\hline Totty & 145 & \({ }_{158}^{91}\) & 183 \\
\hline Cook & 145 & 158 & 183 \\
\hline & & & \\
\hline Player. & \[
\begin{aligned}
& \text { 1st } \\
& 121
\end{aligned}
\] & 200 & 125 \\
\hline Kebsler & 202 & 176 & 169 \\
\hline u'Mara & 138 & 157 & 131 \\
\hline Ford & 141 & 184 & 12? \\
\hline Selbrecht & 138 & 142 & \\
\hline Fenrich & 130 & 167 & \\
\hline
\end{tabular}

\section*{At Boston.}

A double header in the seed trade bowling league Monday, January 30 , was playet. R. \& J. Farquiar took two from Jos. lirerck \& Sons. This puts Far quhar in first place ly the small mar din of one dame. The rolling was very cose and the games in earb instance were not deciled until the last ball was rollet. W. W. Rawson smothered Sohlegel \& Jottler Company with whitewash and that a very goon job while they were at it. The matich was a runaway and Rawson \& Company were the only ones in the ruming, they tak-
ing three straight. The seores follow:
\begin{tabular}{|c|c|c|c|}
\hline Player. & 1st & 2d & 3d \\
\hline Simmonds & 63 & 74 & 79 \\
\hline Webber & 90 & 51 & 89 \\
\hline Gleason & 65 & \({ }_{74}\) & \({ }_{7} 7\) \\
\hline Armstrong & & \({ }^{74}\) & 83 \\
\hline Enholm & & & \\
\hline Totals & 380 & 421 & 403 \\
\hline Player. & 1st & & 3 d \\
\hline Davey .. & & 87 & 81 \\
\hline Castle & 82 & 75 & 7 \\
\hline Hardman & 1 & 88 & 82 \\
\hline MeDermott & & 89 & 92 \\
\hline
\end{tabular}


P. J. Hauswirth's World's Fair Watch

Presented in rucornition of his valuable ser(Prese manger of the World's Fair Flower show.)

\section*{Baltimore.}

BLIZZAED INTERTUPTS TRADE
We dill not escape the blizzard which swept over the country last weck. Thongh not as severe as that of 1899, the snow was leep, the temperature low and the wiml of great violence. Trade was very much interrupted, roads were impassable, ant shippers could not get their flowers into market. The effect upon the lemand was marked, and general dulness presaled for two or three lays. At the ent of the week more pleasant weather ensued, and there was a fair husin'ss done. lioses were seare all through the week, and on Saturday, Mekinnley day, the market was cleared ot carmations. This day semms eaph renaring year to gain in popular fuver and to canse a very per ceptible increaso in the eall for these
fowers. On Wednesday, one of the days when the storm was worst, Ameriean Beauty roses could not be harl here, nor at any point from which transportation could be depended upon as reasonably safe. The week showed a great deeline in eut flower requirements for social entertainments as com pared with the previous one.

\section*{NOTES.}

The funeral of William T. Frick on Saturday created an unusual demand for fine flowers, the tokens of esteem for the venerable lawyer being extremely mumerous and handsome. Mr. Frick was about eighty-six years old and was the father of Mrs. Dr. Jacebs, formerly Mrs. Robert Garrett. He was himself always mueh interested in gardening pursuits and had a fine estate near Catonsville, which afterwards passed into the hands of his daughter. He had some plant houses and was extremely attached to fine trees and shrubs. It was with him that John Cook, the rose-grower and originator, long served as gardener. At his funeral Mr. Cook furnished a great piece, the entire length of the grave, composed of his new White Virgin rose. An inmense wreath of violets and superb orchids was furnished by Halliday Brethers on a New York order, and there were great quantities of roses and earnations.

Charles Sieck, earrying on the business of C. E. Smith, N. Liberty street, has lost his father, Adolph H. Sieck, at an advanced age. Not long since two of his ehildren died, and somewhat later a brother, so that he seems to have been lately marked for misfor tune. He has the sympathy of the trade in his sorrow.
B. B

\section*{San Francisco.}

Market quotations remain unchanged from prices reported last week, and with blooms plentiful, and no decrease of wedding aunouncemeuts, engagement dinners, ete., business is holding up fairly well. To us who first sprouted in eastern states and there grew from bud-shoot life to mannish plants, these almanac winter days in California seem strangely peculiar. Nothing hibernates in the Golden state; even a bear does not suck his paws, but fattens through our almanac winter on wild honey. From an eastern viewpoint it was an unseasonable dinner-table decoration made on a late day in November by George B. Jones, the feature blooms being poppies, lilae and hawthorns.
Leopold \& Ephraim hat an elaborate decoration at the San Franeisco Press Club one night last week. In a wall floral design were used poppies, sweet peas, wild iris and buttereups. American Beauty and Liberty roses and Prosperity and Roosevelt earnations were also used in liberal supply. The gnest of the evening was Jacob A. Riis, of New York.

\section*{Monnette.}

Paducati, Ky.-Wm. Schmause is suffering from an injured knee, caused by a fall.

Rockford, Tll-11. O. Hinkley expects to give up the retail business atter this winter, having already engaged in other lines, but will continue his greenloouses, disposing of the product at wholesale.

\title{
ALL RECORDS SMASHED
}

\section*{EVEN OUR OWN AT DETROIT LAST YEAR. SIXTY PRIZES}

Won this season is proof enough of the Superiority of our Plants and Varieties.
If you have strong healthy plants of the BEST VARIETIES you can WIN also.

> NOTE-Here is our Record made at the Chicago Convention last week. Rooted Cuttings.

FIRST PRIZE, ioo Flesh Pink, with Enchantress.................. \$4.00 \$ 30.00
2.00
12.00
ist prize, best 100 scarlet, with Cardinal...................................... 12.00
ist prize, best ioo crimson, with Harlowarden............................ 2.50
rst prize, best 100 yellow, with Dorothy Whitney...................... 4.00
ist prize, best loo dark pink, with Lawson 15.00 100.00 10000
20.00 30.00
ist prize, in Sweepstakes, with Fiancee
ist prize, 50 any other color, with Prosperity.............................. 2.50
20.00
ist prize, 50 white variegated, with Mrs. M. A. Patten................ 5.00
40.00
ist prize, 25 yellow.
ist prize, 50 yellow
ist J. C. Moninger Prize, with 50 Whitney.
ist prize, 50 crimson with Harlowarden-Moninger Prize..........
2nd prize, 25 Fair Maid; 2nd, 25 Lawson; 2nd, 50 Enchantress

\section*{"FIANCEE" won the LAWSON GOLD MEDAL.}

The only Carnation and we the only firm to win it twice.
We sell rooted cuttings 250 at 1000 rate. We have the largest and best stock of WITE LAWSON. Rooted cuttings of this grand variety ready for immediate delivery, \(\$ 7.00\) per 100; \(\$ 60.00\) per 1000 . From 2 -inch pots, 800 per 100; \(\$ 75.00\) per 1000 .

\subsection*{60.000 Grafted RosePlants}

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for saje, delivery about April 1 st in \(21 / 2-\) inch pots, thoroughly hardened off and ready to shift into \(31 / 2\)-inch, the following:

Per 100

LA DETROIT..................................................................... 12.00
GEN. MacARTHUR..........
LIBERTY.......................................... 12.00

\section*{ROOTED OUTTINGS. READY Now.}

LIBERTY

\section*{CAREATIONE.}

Per 1000
GOV. WOLCOTT................................. \(\$ 12.50\)
WHITE CLOUD.................................... 12.50
NORWAY............ ............................... 12.5
LAWSON........................................... 12.50
\(\begin{array}{ll}\text { MORNING GLORY............................... } & 12.50 \\ \text { JOOST...................................... } 12.50\end{array}\)
ENCHANTRESS
FLAMING0...... ................................................... 50.00
CRUSADER.............. ............................ 4000
ESTELLE............................................ 25.00
ANERICA ........... ............................. 12.50
CRANE......................................................... 12.50
PROSPERITY............ ......................... 12.50
GAIETY............................................. 15.00 ALL PLANTS GHIPPED FROM
Bassett \& Washburn,
Store: 76 Wabash Ave., chicago. Greenhouses: HINSDALE, ILL.

\footnotetext{
RECEIVER'S SALE.
ROOTED CARNATION CUTTINGS.
Strong, Healthy Planis.
RED
Per 1001000

\(\begin{array}{ll}\text { Mra. 1ne....................................... } 1550 & 1250 \\ \text { Flamingo......................... } & 50 \\ 45.00\end{array}\)


America ............................. \(2.00-15.00\)
Enchantress........ . ................. . \(3.00 \quad 25.00\)
\(\begin{array}{ll}\text { Enchantress............................................ } & 1.00 \\ \text { Mrs. Hipinbotham. } & 9.00\end{array}\)
Mrs. Lawson ......................... 1.50 . 12.50
Mrs. Nelson............................ \(1.50 \quad 12.60\)
Guardian Angel....................... \(1.00 \quad 9.00\)
White Cloud.......................... 1.50 . 12.50
Queen Louise......................... \(1.00 \quad 9.00\)
Flora Hill, .. .............. \(1.00 \quad 9.00\)
-ARIEGATED
Armazindy.
\(1.50 \quad 12.50\)
Her Majest.............................. \(1.00 \quad 9.00\)
All plai........................ 12.50 extra for berg and healthy. 10 per cent dre
ROOTED ROSE CUTTINGS.
American Beauty................... \(\$ 3.00\) \$25.00
Bridesmaid............................... 1.00 . 25.00
Bride .... .................................... 1.50 12.50 12.50
1 vory.
\(\begin{array}{ll}1.50 & 12.50 \\ 1.50 & 12.50\end{array}\)
Goldea Gate 1.5012 .50

Shipped promptly C. O. D. from greenhouses
E. C. DAY, Receiver, 1334 Flist National Bank Bidg.. CHICAGO.
}
\begin{tabular}{|c|c|c|}
\hline \[
\begin{array}{llll}
\$ 10 & \text { per } & 100 \\
\$ 40 & \text { per } & 500 \\
\$ 75 & \text { per } & 1000
\end{array}
\] & \begin{tabular}{l}
Red Lawson will Bloom \\
3 to I against any other RED Carnation on the market
\end{tabular} & \[
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\$ 10 & \text { per } & 100 \\
\$ 40 & \text { per } & 500 \\
\$ 75 & \text { per } & 1000
\end{array}
\] \\
\hline \begin{tabular}{l}
8000 \\
BLOOMS \\
Cut and sold \\
Xmas Week at \(\$ 1.50\) per doz.
\end{tabular} & RED LAWSON & \begin{tabular}{l}
\[
\begin{gathered}
8000 \\
\text { BLOOMS }
\end{gathered}
\] \\
Cut and Sold Xmas Week at \(\$ 1.50\) per doz.
\end{tabular} \\
\hline \[
\begin{array}{rlr}
\$ 10 & \text { per } & 100 \\
\$ 40 & \text { per } & 500 \\
\$ 75 & \text { per } & 1000
\end{array}
\] & \begin{tabular}{l}
50,000 Cuttings Sold \\
and not a word of complaint \\
FINE, STRONG, HEALTHY CUTTINGS
\end{tabular} & \[
\begin{array}{rlr}
\$ 10 & \text { per } & 100 \\
\$ 40 & \text { per } & 500 \\
\$ 75 & \text { per } & 1000
\end{array}
\] \\
\hline \multicolumn{3}{|l|}{W.J.PALMER \& SON, Lancaster, N. M.} \\
\hline
\end{tabular}

\footnotetext{

}

\section*{Successful Growers are Wanted}

To know that they can dispose of all their surplus stock by adver...........tising in the American Florit. TRY IT NOW.

\section*{The Cardinal Wins}

First Prize for Best 100 Scarlet Carnations. First Prize for Best 50 Carnations in the hall any color. First Prize for Best 50 Scarlet Seedlings.
And wins the admiration of all who see it growing. It's the Scarlet we have all been looking for. An improved Estelle. Rooted Cuttings, early delivery, \(\$ 12.00\) per \(100 ; \$ 100.00\) per 1000 .

\title{
Disseminałors: \\ The E. fi. HILLL CO., Richmond, Ind. CHICAGO CARNATION Co., Joliet, III. S. S. SKIDELSKY, Philadelphia, Pa.
}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|l|}{\multirow[t]{13}{*}{\begin{tabular}{l}
 \\
All planis and rooted cultings sold under the express condilion that it nol satislaclory they are lo be relurned immediately when money will be refunded.
\end{tabular}}} \\
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\section*{THE BEST WHITE CARNATION IS}

\section*{Lieut. Peary (many \\ CERTIFICATED 90 POINTS.}

PEDIGREE-White seedl ngs for several gaverations. COLOR-Snow white. FRAGRANCE-Very strougclove, decidedy fresh, zud pleasing. SIZE-Large, averagrag 3 iuches io diameter on strong stiff stems. 18 to 20 inches in length.
FLOWER-Full, hroad petaled and high center and of a fine symmetrical form. GALYX-Long, strong and does not hirst. Fiae keeper and expelleat shipoer. HABIT-Strong and erect. GRASS-Medium width. CONSTITUTION-Very vigorous and free from disease Cuttiogs root rapidly and will he seat out in the most perfect coaditioa. Commences hlooming October 15th and flowers continuously throughout the Wiater, affording an sbandant crap. A flest-class
commercial variety in every respect. Now hookiog orders. commercial variety in every respect. Now hooking orders.

Price, \$12.00 per 100; \$100.00 per 1000.
COTTAGE GARDENS CO.., Queens, N. Y.

\section*{ALSO THE FOLLOWING NOW READY:}

Toronto.
TRADE CONDITIONS IMRROVE.
The past week has shown considerable improvement in trade conditions and especially in roses, the demand using everything that is coming in. Inclement weather has not helped transient trade but there have been quite a number of orders for funeral work. Sunday, January 2., was violet day and a heavy demand for violets on Saturday was noted. With the exception of roses all other rarieties of flowers are plentiful and quantities may be hạd at low prices.

Thursday, February 16, has been set aside for the date of the carnation show, which, from the present indications gives promise of eclipsing that of other years. Those growers in the states who intend exhibiting will find that arrangements have all been made and that express charges and duty will be looked after by the local club.

On Friday, February 17, the florists of Toronto and Brampton will meet at Cooksville, half way between Toronto and Brampton, where arrangements are being made for a supper and a general good time.

Louis I. Vair, Barrie, is still sending in some very good chrysanthemums which are very good at this late season.
H. G. D.

\section*{ROOTED \\ CUITINGS.}

Fine Clean, Healthy Stock.
ROSES.
Per 100 Per 1000


 GOLDEN GATE.......................... 150 1250 12.50
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{CABNATIOMS.} \\
\hline RED & \multicolumn{2}{|l|}{Per 100 Per 1000} \\
\hline CRUSADFR & & \$45.00 \\
\hline FLAMINGO & 5.50 & 45.00 \\
\hline ESTELLE & 150 & 12.50 \\
\hline INE & & 50 \\
\hline PINK & & \\
\hline NELSON FISH & 6.50 & 5500 \\
\hline MRS NELSON & & 12.50 \\
\hline MRS. LAIVSON & 1.5 & 12.50 \\
\hline GUARDIAN A & 1.10 & 9.00 \\
\hline MRS. JOOST & 1.25 & 10.00 \\
\hline GENEVIEVE LORD & 1.25 & 10.00 \\
\hline ENCHANTRESS. & 3.00 & 25.00 \\
\hline LICHT PINK & & \\
\hline HIGINBOTHAM & 1.00 & 9.00 \\
\hline Gibson beaut & 2.00 & 0.00 \\
\hline WHITE & & \\
\hline BOSTON MARKET & 2. 50 & \({ }_{9} 0.00\) \\
\hline PERU & 100 & 9.00 \\
\hline WBITE CLOD & 1.50 & 12.50 \\
\hline QOEEN LOUISE & 1.00 & 9.00 \\
\hline LORA HILL & 1.00 & 9.00 \\
\hline
\end{tabular}

\section*{GEO. REINBERG,}

51 Wabash Ave., CHICAGO.
Please mention the A merican Florist when witing.

\footnotetext{
-UNROOTED-

\section*{CARNATION CUTTINGS.}

The following at \(\$ 3\) per \(100 ; \$ 25\) per 1000 White Lawson
M. A. Patten

Flamingo
Nelson Fisher
The following at \(\$ 2\) per \(100 ; \$ 15\) per 1000
Eachantress
Bostod Market
MPFPIAL GRFENHOUSES UTICA,
Picase mention the Amer ican Florst when writug
}


Carnations NOW READY.
\begin{tabular}{|c|c|c|c|c|c|}
\hline White Queen Louise & \[
\begin{gathered}
\text { Per } 100 \\
\ldots \$ 1.00
\end{gathered}
\] & \[
\begin{array}{r}
\text { Per } 1000 \\
81000
\end{array}
\] & Plink Cressbroak & Per 100
.. 1.00 & Per 1000 \\
\hline Flors Hill.... & .... 1.00 & 10.00 & Soarlot & & 10.00 \\
\hline Gov. Woloott. & . 1.00 & 1000 & Crane.... & ... 1.00 & 10.00 \\
\hline White Cloud & 1.00 & 1000 & America. & .... 1.00 & 10.00 \\
\hline Alba & 2.00 & 15.00 & Estelle & 1.40 & 12.50 \\
\hline Pink & & & Grimson & & \\
\hline Lawsoa.. & . 1.20 & 12.50 & Harlowardea... & 1.40 & 12.50 \\
\hline Marquis.. & - 1.00 & 10.00 & Varlagated & & \\
\hline Edchantress & 3.50 & 30.00 & Prosperity... & 1.40 & 12.50 \\
\hline Mrs. Joost & - 100 & 10.00 & Marshall Field & 1.40 & 12.50 \\
\hline McKiniey & . 1.40 & 12.50 & Armaziody & . 1.00 & 1000 \\
\hline Mermaid & 1.00 & 10.50 & Viola Allen & ... 1.20 & 11.00 \\
\hline 100 & & F & 8 & at \(\$ 1\) Thou & 00 per nd. \\
\hline
\end{tabular}

Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C. O. D. with privilege of examining at express office.
Loomis Carnation Co.
Lock Box 115. LOOMIS, CAL.

\section*{MY MARYLAND.}

The largest, most productive and most proftable White carnation yet raised. Will be disseminated io 1906. Write us about it. Aiso for other Dew and staddard carnations.

CHRYSANTHEMUM STOCK PLANTS.
Dr. Enguehard 35c \(\$ 3.00\) Uncle John.... 35 c E 3.00 WhiteMrs.J.R. Rockford...... 2508.00 Trador..... 350 300 Mrs. Problo... 35c Am. Beauty... 350300 Mrs. Newell... 350 S T. Wright.. \(500 \quad 5.00\)
Pacifio, B. Rose, Willow Brook, Ivory, Mrs. J. Jodes, 10 c earsh. \(\mathbb{E C O} 00\) per 100 . Orizaba, Halliday, Monrovia, Merry Xmas, Liger, H. Sioclair, 10 c each, \(\$ 7.00\) per 100.
H. WEBER \& SONS, Oakland, Md, Please mention the American Flovist when writing.

\section*{Carnation Cuttings}

Thoroughly Rooted.
\begin{tabular}{|c|c|}
\hline & Per 100 Per 1000 \\
\hline Gov. Wolcott & \$3.00 \$25.00 \\
\hline Boston Market & \(3.00 \quad 25.00\) \\
\hline Hnchantres & 3.0025 .00 \\
\hline Mis. Lews & 30025.00 \\
\hline Prosperli & 3.0025 .00 \\
\hline Note-We & ly tow \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{We simply state that we ship you the best cuttings at the least possible prices.}} \\
\hline & \\
\hline
\end{tabular}

\section*{Weiland \& Risch,}

Leading Weslern Wholesale Growers and Shippsrs of cut Flowers.
59 Wabash Ave., Chicago.

\section*{CARNation CUTTINGS.}

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.
Per \(100 \quad 1000\)
Lawson.............................. \(\$ 1.50 \$ 12.50\)
Guardian Angel.................... \(1.00 \quad 9.00\)
Enchantress......................... 3.0025 .00
Morning Glory. .................... \(1.50 \quad 12.50\)
Mrs. Higinbotham................ \(1.25 \quad 10.00\)
Eslelle............................... \(1.50 \quad 12.50\)
Chicago............................... \(2.00 \quad 15.00\)
Adonis................................ 2.5020 .00
Flora Hill............................ 1.00 9.00
Whlte Cloud........................ \(1.25 \quad 10.00\)
Her Majesty......................... \(1.50 \quad 12.50\)
Harlowarden........................ \(1.50 \quad 12.50\)
Orders Filled Promptly. Take Advantage of the Low Prices and Order Now.

\section*{WIETOR BROS.}

\section*{51 Wabash Ave., Chicago.}

\section*{Red Sport}

\section*{OF MACEO}

This Now "Bread and Butter" commercial bril lisnt "Crane" Red Carnaion. now in its fourth year, has the bardy coastrtution of Gea. Maceo, with's stronger, heavier growth, longer and atiffer stem and larger fower.

Groving under the asme conditions and lo the same house with Flemlago and Estelle, it has produoed four times as may flowers as the former and twice as many as the letter. The color is 8 s dood as Estelle and the hloom brings as much as form, brilliaat red, perfectly double, with an ideal oelvx: infact, we have dpver seec a aplit ode.
RED SPORT is perfectly bealthy. sa essy vari ety to grow, an early and continuous bloomer throwiog its heavlest cuts around the Christmes holidays and uuring the winter months, when red is in demand.

RED SPORT will keep longer and travel farther thansay other red caroation, and will prove a bonsnza to growers dolng a shippiog busioess.
If the acsicity of reds in the market that oow exists continues, RED SPORT will pay better to the square foot of bench room than say other varlety of any color to date.

Evory florlat who has ooen RED SPORT
arowing has pleced an ordor for rootod
outtings, which telie the talo.
All our rooted cuttiogs are sold until efter Janusry 25. Orders flled in strict rotation from above dete on.
Price. 12 for \(\$ 1.50\) : 25 for \(82.50: 50\) for 84.00 , postpaid, \(\$ 8.00\) per 100: \(\$ 50.00\) per 1000 , by express. We guarantee cuttiogs to be well rooted and to arrive in good condition.

\author{
A. B. Davis \& Son, PURCELLVILLE, VA.
}

Nice Clean Stock
rooted canaation cutings. CHEAP. Eoohantress, Nelsoo Fisher, M, A Pottea, Gov. Wolcott, Bosto Market, White Cloud sind Mme. F. Joost. Also ugrooted of last two varietie. Prices upoa appication.
C, 6. VELIE \& SON, Marlborough, N, Y.
velley View Greenhouses

\section*{500,000 VERBENAS \(\underset{\text { vailitiles }}{\text { so }}\) \\ The Largesi and Finesi Slock in the Country. PERFECTLY HEALTHY-NO RUST.}

Prize Roots d Cuttiags Plads. \(2 y_{2}\)-ioch pots
.60c per 100; 85.00 per 1000等2.50 per \(100 ; \$ 20.00\) per 1000

300,000 CARNATIONS
CRISIS, Kow Commorelal Scarlal.


Mrs. Patten..
Juage Hiasdale...
Lady Bountilul..
Wm. Scott.
Floriana
Lorne .
Eldorado.
Mrs. Joost..
Eachantress



Rooted Cuttings Clean and Healthy. \(\$ 1200\) per 100; \(\$ 100.00\) per 1000 .
\begin{tabular}{|c|c|c|}
\hline Per 100 & \multicolumn{2}{|r|}{Per 100} \\
\hline . \(\$ 6.00\) & Buttercup & \$300 \\
\hline . 3.40 & Prosperity & 2.00 \\
\hline 300 & Mrs. J. H. Manley. & 2.50 \\
\hline 1001000 & 100 & 1000 \\
\hline \$3.00 81500 & Mrs. E. A. Nelson \$1.50 & \$12.00 \\
\hline 2.502000 & White Cloud...... 150 & 12.00 \\
\hline 2001500 & Flors Hill........ 125 & 10.00 \\
\hline 1.5012 .00 & Portia ............. 1.25 & 10.60 \\
\hline 1.251000 & Queen Louise..... 125 & 1000 \\
\hline \(2.50 \quad 2000\) & D irothy ...... . . . . . 125 & 1000 \\
\hline
\end{tabular}

\section*{60,000 GRAFTED ROSES For Forcing----Finest Grown.}

Orders bookes for delivery in April, Msy and June.
LIDERTY, rose pots. \$ 200 per 100- \(31 /\)-inoh pots, per 100.............. \(\$ 18.00\)
BRIDES, BRIOESMAIOS, 60LDEN GATES, KAISERIHS, rose pots, per 100..... 10.00
31/-jnch pots per 100......... ......... . .... .. ..... ............... . . . . . . . . 15.00
SEND FOR PRICE LIST

\section*{J.L. DILLON, Bloomsburg, Pa.}

\section*{Rooted CARMIION CIIIIIGOS ...NOKY READY...}
\begin{tabular}{|c|c|c|c|c|c|}
\hline WHITE. & Per 100 & 1000 & SCARLET. & Per 100 & 1000 \\
\hline Queer Loulse. & ... 81.00 & 81000 & America........ & ... 1.00 & 10.00 \\
\hline Flaca Eill. & .. 1.00 & 10.00 & Potter Palmer & 1.00 & 10.00 \\
\hline Alhs & . 1.40 & 1250 & Estelle & 1.40 & 12.50 \\
\hline Gov. Wolcott & . 100 & 1000 & J H Manley & . 1.50 & 15.00 \\
\hline Norway & 1.00 & 10.00 & A pollo & . 1.50 & 15.00 \\
\hline Lillisa Pond & . 1.40 & 12.50 & CRIMSON. & & \\
\hline Cbicot & . 1.20 & 10.00 & Harlowardeo... & 1.40 & 12.50 \\
\hline PINK. & & & Gov. Roosevelt & 1.20 & 10.00 \\
\hline Mrs. Thos. Lawson. & . 1.40 & 12.50 & YELLOW. & & \\
\hline Enchabtress. & 3.50 & 30.00 & Golden Beauty & 1.40 & 12.50 \\
\hline Mra. Joost & . 1.00 & 10.00 & Eldorsdo...... & .. 1.00 & 10.00 \\
\hline Succeas. & 1.00
1.00 & 10.00
10.00 & VARIECATE & . 1.00 & 10.0 \\
\hline Cressbrook & 1.00 & 10.00
10.00 & Prosperity & 1.40 & 12.50 \\
\hline Pres. Mokinley & . 1.40 & 12.50 & Marshall Fiel & 140 & 12.50 \\
\hline Mrs. Theo. Roosevel & .. 1.40 & 12.50 & Armazioug & 1.40
1.00 & 12.50
1000 \\
\hline SCARLET. & & & Viola allen & 1.20 & 11.00 \\
\hline G. H. Crsare. & . 1.00 & 10.00 & Gaiety. & 1.20 & 11.00 \\
\hline
\end{tabular}

Special prices on large lots. Uarooted pipa at half price of ahove. 25 at \(100 ; 250\) at 1000
rates. Express prepeld at above prices. Cash or C. O. D. with privilege of exemining.

\section*{LOOMIS FLORAL COMPANY, Loomis, Cal.}



\section*{Louisville.}

Last week found things appearing a little bit slow, there being nothing of unusual importance going on. McKinley day was quite a disappointment, there being very little unusual business. The poor weather probably had a great deal to do with it. Roses are a little better in quality and the quantity is about equal to the demand, which has been good. Carnations have been rapidly increasing in quality and decreasing in quantity, and the demand has been ixceptionally good. Violets are coming in in good quantities. Sweet peas are still in small quantities, with fair quality and demand. Shipped mignonettes have improved wonderfully in quality, but the demand has been a little slow liily of the valley can be had in great quantity. Stevia is about over. Bulb ous stock is coming on nicely and a good supply can soon be expected.

The regular montuly meeting of the Kentucky Society of Florists will be held Tuesday night, February 7, at Mr. Wettle's residence on Broadway and Rubel streets. Besides other important business, the bowling question will Frobably be put through.

Those who attended the carnation meeting at Chicago seemed very highly pleased with the exhibition and establishments visited. Those who attended were Mrs. C. B. Thompson, Jacob Schulz, George E. Schulz, C. H. Kunzman, and David Weller.
F. L. S.

\section*{Syracuse, N. Y.}

Considerable complaint is made by the florists that the demand for roses has fallen off and that there is but little profit in handling them. In a city the size of Syracuse roses are used only when they are absolntely necessary as in the case of weddings. The question of foliage is agitating the florists. With the prices the Syracuse people are willing to pay for eut flowers, Horists cannot afford to throw in for nothing a spray of foliage.
P. R. Quinlan \& Company are cutting a large quantity of carnations of excellent quality. Flamingo, which at one time secmed in disfavor, has come along nicely and the company has decided to arow more. Lady Bountiful is daing well and the new carnation, Vespers, a white fringed bloom, has been doing well. The company is eutting a quantity of Princess of Wales violets.

Wheadon \& Hencle have received a shipment of large Enchantress earnations from Bard \& Davis. Mr. Wheadon says that prices hold firm and business is fair.
Heary Morris has a fine display of 'arnations. Mr. Morris' landlord is , atting in a now tile window for him and is refurnishing his store.
L. E. Marquisce's stock of carnations ooks well.
A. J. B.

Glen Cove, N. Y.
The Nassan County Garieners' and Plorists' Club has been organized with the election of the following officers: Presinleat, Thomas Harrison; vice-presilent, James Halloway; treasurer, Ernest J. Jrown; secretary, Samuel J Trepess. The meetings are to be held on the first Wednesday in each month at \(3 \mathrm{n} . \mathrm{m}\).


\section*{Richmond Gem.}

The finest commercial scarlet ever introduced. Place your order early. Send for circular.

Price, \(\$ 10.00\) per 100 ; \(\$ 75.00\) per 1000.

\section*{B. K. \& B. Floral Co. RICHMOND, IND.}

\title{
CRISIS
} This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \(\$ 12.00\) per 100; \(\$ 100.00\) per 1000.

\section*{J. L. DILLON, Bloomsburg. Pa.}

\section*{Rooted Carnation Cuttings.}
\begin{tabular}{|c|c|c|}
\hline PINK & \multicolumn{2}{|l|}{Per 100 Per 1000} \\
\hline Edchantress. & ... \$300 \(^{0}\) & 84500 \\
\hline Fsir Maid & 250 & 20.00 \\
\hline Alpide Glow & .. 2.50 & 2000 \\
\hline - & 2.00 & 1500 \\
\hline Nelson & 2.05 & 1500 \\
\hline \multicolumn{3}{|l|}{WHITE} \\
\hline ueen.. & 2.50 & 20.00 \\
\hline Queen Louise. & . 2.00 & 15.00 \\
\hline Boston Market & . 2.50 & 20.00 \\
\hline Marian & . 2.00 & 15.00 \\
\hline \multicolumn{3}{|l|}{RED} \\
\hline Flamingo & .... 6.00 & \\
\hline \multicolumn{2}{|l|}{Grusader......................... . . .co} & \\
\hline & 200 & 15.00 \\
\hline Mrs. Patted & ... 6.00 & \\
\hline Prosperity & 2.50 & 20.00 \\
\hline
\end{tabular}

\section*{Wo oen Surnleh Cuttings of all the Siandard Varlolles}

The Leo Niessen Co.
1217 Arch Si., PHILADELPHIA, PA.

\section*{ROOTED \\ CARNATON CUTTINGS.}

\author{
White Lawsoo \\ M. A. Patten \\ Flamingo elson Fisher \\ Lady Bouatif, Albatross The above at \(\$ 5\) per 100; \(\$ 40\) per 1000 . The following at \(\$ 3\) per \(100 ; \$ 25\) per 1000 : Enchantress Boston Market Fair Maid \\ IMPERIAL GREENHOUSES, UN.CA. \\ Please mention the American Florast when wortang.
}

\section*{CAPNATIONS Rooted white lawson.}

The king of white sorts. A strong 5000 ready to be shipped. Ail reders will be filled in rotation. \(\$ 7.00\) per \(100 ; \$ 60.00\) ber 1000 .

Lady Bountiful. Per \(100 \quad 1000\)
Mrs. M. A. Pattea...................... \(67.00 \quad 5000\) Nelson Fisher..................... 700800.00 Daherm

Boston Market
ket. \(6.00 \quad 50.00\)

The Queen. \(\begin{array}{ll}3.50 & 80.00 \\ 2.50 & 20.00\end{array}\)

Mrs. T. W. Lawson Gen. Maceo Moroing Glory Mrs. G. M. Bra Melba.
Queen Louise
\(\qquad\)
\(\qquad\) \(\begin{array}{ll}2.50 & 2000 \\ 2.00 & 18.00\end{array}\) 2.00
2.00
18.00 \(\begin{array}{ll}2.00 & 15.00 \\ 2.00 & 15.00\end{array}\) Louise ............... \(1.50 \quad 1200\) White Cloud................... 150.12 .00

\section*{CRAFTED ROSES}

We are now baoking orders for luture delivery. Write for prices.
WOOD BROS, Fishkill, N. Y.

\section*{Paris Daisies.}

ASPARACUS PLUMOSUS NANUS, Extra 1n \(2 \mathrm{c}: 3-10.40\)
ASP. SPRENGERI, 2-inch, \(\$ 1.75\) per 100 HARDY PINKS, large fleld-grown, 5 sorts, 5 c . UMBRELLA PLANTS 2 in. \(\mathrm{fn} \mathrm{E}, 2190\).
PaRIS DAISY, Giant 2-inch, 21/2c.
ABUTILONS, 4 varieties, \(2 \nmid y\)-inch, 3c.
Rooted Cuttings, prepaid: Helotrope, 81 per 100 Ageratum, Gurbey, Paulide 50c per 100. Selvla Spiendens. Bonfire, 80 s per 100 Fuohela, 5 best varietles, \(\$ 1.25\) per 100 . Hardy Plnke. 7 varie ties. some everblooming. 75c per 100 . \(\$ 700\) per 1000. Dbl. Pofunlae, 10 Brest, \(\$ 1.00\) per 100 Rex Begonlas, 15 sorts, \(\$ 1.10\) per 100, Altor nanthere 2 reds, yellow. \(\$ 5.00\) per 1000 . Vor benss, 75 per 1r0 Swalnsona Alba, 75 c per 100. Tradescanti, krnd, blooming Forgol-monnots, \(\$ 1.00\) per 100 Arillery Plont, 75 c per 100.

BYER BROS, Chambersburg, Pa.
Always \(\frac{\text { mention the American Flo- }}{\text { rist when you order stock. }{ }^{*}}\)

\title{
Adiantum Croweanum
}


\author{
The New Maidenhair Fern，stands squarely and strictly on its merits．＊：＊＊＊
}

Its sterling values considered，the selling prices of Adiantum Croweanum， as here given，are unusually low：．．．．．．
Strong Plants，from 3 －inch pots， \(\mathbf{5 2 . 5 0}\) per dozen；\(\$ 15.00\) per 100；\(\$ 125\) per 1000． 25 plants at 100 rates． 250 at 1000 rates．S 100 per 1000 in 5,000 lots．

GENERAL AGENTS：

H．A．DREER， VAUCHAN＇S SEED Chicago and Now Yoik．

W．W．BARNARD \＆CO． F．R．PIERSON CO． Tarrytown，N．Y．

W．F．KASTING， Sole Distributor， 383－87 Ellicott St．，BUFFALO，N．Y．

\section*{CARNATIONCUTTINGS}

WELL ROOTED，FROM SELECTED STOCK．
NELSON FISHER
\(\qquad\) Per 100 Per 1000
MRS．M．A．PATTEN ．．．．．．．．．．．．．．．．．．． FLAMINGO．． \(\qquad\)CRUSADER．．．．．．．．．．6.00D．WHITNEY．．
\(\qquad\) ENCHANTRESS \(\qquad\) H．FENN．．．． \(\qquad\) MANLEY．．．． \(\qquad\) PAIR MAID． \(\qquad\) 6.00 6.00 5.00 400 3.00

QUEEN．．

BACKER \＆CO．，Billerica，Mass．

        -All Orders filled In Rotation.-

boeton Marke
goeton harket ．．．．．．．
Challenper
Write Ior Prices on 1 arge lats． 5 Per Cent
Discount for Cash wish Order
Jas．D．Cockcroft，мо⿱口⿻上丨，
ROOTED CUTTINGS
That will give sat
FTsCn 100 1000 oost．．．．．．．．．． \(125 \quad 100 \mathrm{~J}\) Q．Louise．．．81．25 \(\$ 1000\) Msrquis．．．．． 125 1000 White Cloud \(150 \quad 12.50\) Enobantress． 4.0 J 30.00 Prosperity．． 1.50 1250 B．Market．．．2．50 \(20 . \mathrm{CO}_{2}\) Estelle．．．．．．：． \(00 \quad 15.00\) W．C．HILL fLORAL CO．，


\section*{REAOY NOW．} NO WAITING．
a pleasing sbate of pink，on a stiff．wiry stero． Growth clesa and uprighti no useless Johsge，
Fiowers large enough for all ordinary purposes．

Will Praduce Hore Flowers pg Square Fool Than Any Carnalion Now Grown．
Worth growing by the thousand but ratber than have you miss trymg it，I will mall reee of chatme
 per 1uc0： 250 for 88.75 ．

BEND FOR LIST OF OTHER VABIETIES
Queen Louise and Lillian Pond，\(\$ 10.00\) per 1000 Floriana and Harry Fenn， 812.50 per 10 CO
ALBERT M．HERR，Lancaster，Pa．
Carnations rooted cuttinas．
Send for price list of all the new and standard sorts
Wm．Swayne，

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A seedling of Scott and McGowan．A very plessing，salsble shsde of plnk． Free and continoous bloomer，good babit， sad sanuld be plinated by every grower， ore always ulenty to use I bave prown it ior gre yes ra and it has given me more cood salable fowers per square loat then soy other viripty I ever erew． Price per 100， \(1000: 25\) at 100 rates．
FRAKK L．KOHR，Lancaster，Pa．

\section*{Carration Cuttitings．}
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\hline ENCHANTRESS & ．．． 83.50 & \＄30．00 \\
\hline FAIR MAID & ． 250 & 2000 \\
\hline QUEFN & ． 300 & 2500 \\
\hline QUEEN LOUISE & ． 200 & 1500 \\
\hline LAWSON & ． 2.50 & 20.00 \\
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\hline G M，BRADT． & ． 300 & 25.00 \\
\hline FIANCEE． & ． 12.00 & 100.00 \\
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C．WARBURTON， FALL RIVER，MASS．
National Florists＇Board of Trade，

\section*{Offlce： 56 Pine Slroet，New Yark．}

Credil Relerence Book．A subscription to our Credit List whll cost you \(\$ 10\) a year， 8 nd it may ave jou tion the arst month．Special Reports． Collections．We collect slow sad doubtful ac－ counts．Why not go through your books at ones and spad us sll the clams that are In arrears？

Enropean Horticulture.
(From the british hortlculturai, PAPERS.)
Mandre for Roses.-According to Rosenzeltung, the best manure for roses is to give stable madure to every square yard of soil two pounds of lime, five ounces of basic slag, and one-tenth pound of chloride of lime. The rose loves lime, and one can apply it in no matter what form.
A DAMP-PROOF Potato.-Mr. Labergerie,角 well-known agricultural authority in the Department of Vienne, in Central France, asserts that be has been able to produce a new variety of potato, which is damp-proof.
By using a wild Uruguayan variety as one of the parents, be has raised a potato which flourishes best in wet soil, where its yield is about six times that of the ordinary variety.
URUGUAFAN Potato.-at the last meeting of the Academy of Science particulars were given of a new variety of potato that grows best in damp solt. It has been developed by selection by M. Labergerie, of Verrieres, Vienne, from a wild Uruguayan variety. I Ylelds seventeen per cent. of fecula or starch. When grown in dry soil the return does not exceed 10,000 kilograms ( 22,047 pounds) per bectare (2.471 acres), While in damp soil it Hoptornt lint
Hortictltitre lvitaly - An incriaved activity
in lines pertaining to horticulture allowr Italy is in lines pertaining to horticulture all orer Italy is
painly noticeable. There is no doult that the great international show recently held in Turin further the growing intrest in matters horticul
Chmpating Red spider. - Charegitashes dusted plants infested with red spider is recomnended as an infallible remedy The plants slould be Jobx SEDEN. - It is ammounced that John Seden, the well knowo hybridizer of James Veitw d Son. Londoa, Eng, has retired from the firm on :
well earned pension. Mr. Sedea has been con well earned pension. Mr. Sedeo has been con-
nceted with Veitch \(\mathbb{N}^{\text {M }}\) Son since 1861, and his name is familiar to plant since through the many hybrids he has produced, especially among orchids. His efforts were not coa-
fined to orchids by any means als he has raised many good fruits and decorative plants.
biogeria Gloine de Sreadx- - Among the many winter-flowering begonias the variety under not should take a prominent place. Apart from it ance of well-grown plants of this hegonia serve rown to a marked deqree while in which it hardly surpassed for beauty hy any other winternoweriag subject grown. N ithercan it be called io a suitable compost this variety ware and potted specimens and bloom right through the dull Brish

British Sweet Pea Society.-It has been arranged to bold the 1905 exhibltion in coajuaction with the Roynl Horticultural Society Upwards of Square is offered in money prizes and Sution \& Sons are presentiag a silve the soclety giving the winner a gold med as a permaneat memento. The schedule will be in the hands of all members by January lished one week later, and will be seat free to members. Full particulars on any matter connected with the society will be gladly
furnished by Horace J. Wright
32 Road, Wandsworth, London.
IMPORTED FLOWERS.-It would appear of flowers for market are more successful in meeting the demand for their products than Whille in srowers of fruits and vegetables. frults and vegetables continue to increase year by year, the imports of flowers
steadily decrease, although there is no diminsteadiy decrease, although there is no dimin-
ution in their use. These facts suggest that the flower growers are not only showing greater activity, but are quick to take note
of what flowers are likely to be in the great. est demand in the recurring seasons. The was \(£ 242,454\), agalost \(\mathrm{S} 248,689\) in 1903 , and E'67,281 in 1902. new evweet peas nre to be distributed by lowers of these fragrant annuals will be someQueen Alexandra, not to mention other seedlings, are not yet obtalnable, they will agree tre fomolo Plazzari, a hrililant blue, and an whether Elack Michael will supersede Black Knlght remains to be seen, but there should he Toom for both; the third variety is David horticultural cleric of Kirkmalden, and It ls
another beautiful blue sweet pea. We are pleased to note that Mr. Eckford is in his new list promoting strongly the alms of the National Sweet Pea Society, as he writes:
"In the following pages a good many sweet "In the following pages a good many sweet
peas are marked ciscarded.' I still grow peas are marked 'discarded.' I still grow and can supply seed of these, but it is my intention to eventually exclude them from the inst, as other and better varieties in simprocess of exclusion, the veteran raiser is process of exclusion, the veteran raiser is dovers as by the raising of new varieties. lovers as by the raising of new varieties. SEEDS.-Do not attempt to open the capsules, SEEDS--1to not attempt to open the capsules, prevent the seeds being wasted, tie a piece of silk or paper around each pod before they split. The sooner the seeds are sown after ripening the better, and the usual seedbed is the compost in which other specimen
orchids are growiug. The compost should be moist at the time of sowing, and kept molst by gently dewiag it over with a fine spray; watering in the ordinary way would swill the seed away. The seeds, of course,
do not need covering; simply shake them do not need covering; simply shake them
out of the pods upon the compost, keep out of the pods upon the compost, keep
moist, and, if good, they will probably germoist, and, if good, they will probably gerunveual for the seeds to lie for a year or more before germinating. At first the yougg plants are hardly visible to the naked eye, n little green globular mass, but as soon as the first leaf forms they can easily be
seen. The greatest care is necessary, or seen, The greatest care is necessary,
these damp off before reaching this stage.

WHITE LAW :ON which we introduced last season has eiven great satisiaction, and has proved to be The Finest White Carnation ever sent out Remember we are headquarters for it. The dema ad will undoubtedly exceed the supply this season, and in order to secure early delivery, no time shonld be
lost in placing order. We are now booking orders ost in placing order. We are now booking orders
for early January delivery. Orders will be flled for early January delivery. Orders will be flled
strictly in rotation as received, so the earlier striculy in rotation as received, so
orders are booked the earlier deliveries can be made. We can supoly Firsl-casz strong rootad cultings, \(\$ 7\) per 100: \(\$ 60\) per 1000. Also the other ovelties 7 seasona A Patton Dateim. Enchantress Flaming Mrs. Thos. W Lawson. etc.
F. R. PIERSON CO., Tarrylown-on-Hudson, N. Y Please mentian the A mer ican Flavist when weriting.

\section*{Bedding Plants.}

CASH WITH ORDER.
- Per 100 . \(\begin{array}{rlrl}\text { Per } 1000 & \text { Exp. } & \text { Mail } \\ 50,000 \text { Alternantheras, red, yellow, } \$ 5 & 815.00 & \$ 65\end{array}\) Alyssum, double sweet............. \(\quad 2.00 \quad 1.00\)
Boston Ferns, 5-ioch, 25 c each..
Feverlew, Little Gem.
\(\begin{array}{lll}300 \\ 200 & 1.00\end{array}\)
Fuchsia 6 named varieties.......
25,000 Geraniums, Nutt sod 20
other Geraniums,
15,000 Geraniums, Mime. Salleroi
Pe'unias, double fringed, white
in bud and blonm............. \(\$ 15\)
Salvia. 4 named varieties...........
Forget-me-nols.
\(2.50 \quad 1.50\)
\(\begin{array}{ll}2.00 & 100 \\ 2.50\end{array}\)

LUDVIG MOSBAEK, Onarga, III.

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Of Florists' Orchids.
We Want More Room lor Large Importations. Cypripadium Insigno, 5,000 established unflow ered growths. 88.10 per 100; \(\$ 75.00\) per 1000. Cyprlpodium Callosum, 1000 established ua owered growth s, \(\$ 2000\) per 100.
Cypripodium Lawronoeanum,1,500 established otlowered growths \(\$ 25.00\) uer 100 .
Dondroblum Formosum Cigantoum, The forists' white orch d, established plants, 8 to 10 bulbs. 8900 per 12; 870.10 per 10.
Vande Cooruloa, The florists' blue orchid. A rare opportunity. Estatilished plants, 10 to 12 leaves, 815.00 per \(12 ; 12\) to 15 leaves, \(\$ 22.00\) per 12 All clean, bealthy plants. For other quotatations, bee our catalogue, to be had from

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ENCHANTRESS. \(3.00 \quad 25.00\)
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Nerstbam Yellow, White Coombes. Emily Mile-
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Success.
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Harlowarden
\(40 \quad 1250\)

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Unrooted cuttings at half price. Terms:
Cash or C. O. D. w.th privilege of examina-
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Our Name is Associated with the BEST AMERICAN INTRODUCTIONS.
Judge our This Year's introductions by the Past. just as good, if not better.

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Our Catalogue for 1905 describes all.

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CATTLEYA MENDELII, just arrived in fine con dition a shlpment of this scarce and beautiful Orchid. Also Lælis Aoceps and Oncidium Tigrinum, etc. Write for apecial list No. 14.
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(GRANDIFLORA CAPE JESSAMINE.)
Our leading specialty. Natural growing conditions here ideal; size tells ita own story. W year, 18 to \(24-\mathrm{in}\)., \(\$ 150\) per doz.; \(\$ 10.00\) per 100 Dormant now and until February 25th.
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L. K. PEACOCK, Dahlia Specialist, ATCO, N. J.

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SPLENDENS GIGANTEUM HYBRIDS, In bud and bloom, from s-inch pots 50 per doz: FLORA, in bud snd bloom from 4 -inch pots \(\$ 7.00\) per 100
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ROOTED CUTTINCS.
Fifteen varleties at 810.00 and \(\$ 12.50\) per 1000. Sead for complete price list of GERANIUMS and CARNATIONS
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Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list
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The two be日t sorts. LORD FAUNTLEROV (dwarf). BONFIRE, (tall). Rooted cuttiogs, \(\$ 1.00\) per 100; \(\$ 8.10\) per 1000 .

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Per 100
.. .85 .00
Extra oholoe, large olumpq........................ 85.00 Asp. Sprengeri, extra quality, \(21 / \frac{10}{\text { in. pots... } 2.00}\) Asp. Plumosus, extra quaslity, 24 i-io. pots... 2.50 Asp. Plumosue, extra quelity, 3-in. pots..... 4.00 JOHN BROD, Niles Center, III.
Cyclamen one taraplanata raad 3) \(A_{1}\) March 1 . seed taken from oothing better \(\$ 200\) per \(100 ; 818.00\) per 1000 C. WINTERICH, Defiance, 0.

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VINCA VARIECATA, 3 -in. pots, 8500 per 100
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PELARGON1UMS, 15 var., 8225 per \({ }^{100}\).
VERBENAS. 30 ver., 60 c Der \(100 \$ 5,00\) per 1000. HELIOTROPE, 12 Var. 81.00 per 100.88 per 1000. PETUNIAS, 20 var, \(\$ 1.25\) per \(100 ~ \$ 1000\) per 100 GIANT ALYSSUM. \(\$ 1.00\) per \(100 ; 8800\) per 1000 . AGERATUMS, 4 var., 60 g per 100 : \(\$ 5.0 \mathrm{~J}\) per 1000 COLEUS, 40 var., 70 c per 100 ; \(\$ 600\) per 1000. DAIS1ES, \(81 . C 0\) per IC0.

Expreas prepaid on all R. C. Cash with
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Pansies liheral oount. Primula, Obc. Graadifl, plak shades liheral oount. Primula, Obc. Graadif, plakshades double, 2c. Heliotrope, blue, \(11 / \mathrm{c}\) c. Fuchsia. 20. Asp Sprengeri, 2-in., \(1 / 6\) S Plumosus Nanus, 1\%-1n. Asp Sprengari, 2-in., 180 Plumosus Nanus, \(1 / 2-10\), Alyssum. Glant, 750 ogsratum Guroey, 500: Alter nanihera, best red and yellow. 45 c ; fall rooted, extra btroqg, 51 c : \({ }^{2} 4.50\) per 1000 Fuchsia, 5 foe sorta 81.25 . Gianl Marg. Daisy, white, \$1.00. Rose Geranium, \$1.60.

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\section*{Pansy Plants}

Large flowering, 60c per 100; 8.50 per 1000. Per 100 300 Polargoniums, mixed, 2 -io, pots...... \(\$ 2.50\) Asp. Plumosus Nanue, small plants to close \(1 . i 5\) 10 Vare Caranlums \(21 / 2\) pota and 2-in. pots 2.50 Asp. Plumosus Nanus Soed, Februsry
 10 Vars. Coleus, 2 in. potb, March 1........ 2.00

JOS. H. CUHHINGHAM, Delaware, O, PANSY PLANTS \({ }^{\text {THE SERNNMCS }}\) Fine planta, fancy colors, large flowering Large planta in bud and bloom, \(\$ 1.00\) per 100 Medium aize for cold frames, \(\$ 3.50\) per \(1000 ; 500\) for \(\$ 2.00\). By mail, 75 c per 100 . Seed, \(\$ 1.00\) per
plat.; \(\$ 5.00\) per oz. Cash with order.
E. B, JENNINS, soat bor kit ghower of the finegt panaige.

\section*{FORYOURWANTS}

ROSES, BOSTON, PIERSONI and SCOTTII FERNS, ASPARAGUS PLUmOSuS and SPRENGERI, CARNaTIONS, CHRYSANTHEMUMS and miscellaneous stock, Write

\section*{GEO. A. Kl'HL, Pekin, III.}

Grower For the Trade.

\section*{Easter Plants A SPECIALTY.}

I have an iocreased stock this year, ready to bloom for Easter, iacludiog Spiræa compacla floribunda. Japonica and Gladulone l'bree bouses full of choice Azale: Indica, all sizes and prices 75 c, , 100 and \(1,25: 1,500\) Vander Couyssen; Hydrangea Olaska; Cineraria hybrida, 6-inch pors: Janan sod Ficus Elastica 6 to 7 -inch. 8000 to \(\$ 400\) per doz Ficus Elaslica, 6 to 7 -inch. 860 to 00 incher high \(\$ 1.50\) each. Hyacinthe Tulips, Von Sion dattodils \(\$ .50\) each. Hyacinths Tulips, Von Sion datiodis. ROSES, American Beauty, La Fraace, and and at lowest prices. Watch for special Easter Advertisement.

\section*{GODFREY ASCHMANN,}

Wholesale Grower and Importer ol Pol Pisnls. Bell Phone Tioge 3669 A.
1012 Onisrlo St., PHILADELPHIA, PA, Please mention the A mericin Flovist when writing.


Dahlias
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The hesutiful aerv White is still queea of the worid, strove ubers, 81000 per 100.
rogeborg Egeland actus, \(\$ 3.00\) per doz. ; \(\$ 20\) per 100 leading srarlet per 10. Orber Dovel-
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\section*{VERY LOW RATES} Southwest WABASH

Beb. 7 and ol and Vimol -ama ol THE WABASH
will sell special humeserk. y ,
Lutbisiatha. Kiansils. Ineliall isnet OklalsoFor mases, times carr and full particuars. address aoy of the uaderabaed. P. SCOTT, Gen'l dize. Mhwankee, Wis.

\section*{Newport, R, I.}

THE MAREET
Business which started last week in gool shape received a stopper on Wednesday when in common with the rest of New England the blizzard struck us. It was the worst storm ever experienced here. Retail prices for cut Howers, while not much changed are better maintained, and one can say that trade has picked up. Instead of carnations selling for 50 cents a dozen, with a few going at 75 cents, they are quoted at 75 cents, with possibly sales at 50 cents for something quite inferior. Roses, lily of the valley, and violets are the same as for several weeks past. On the avenue trade is slow as there are few society people here now, and there have been no fashionable functions going on lately that require flowers.

\section*{Notes.}

Last Thursday evening the annual celebration of the birth of Robert Burns was observed by the usual Scotch ball in Masonic hall. Many of our most prominent gardeners served on the various committees, and made the affair an unqualified success. James G. Kyle was floor manager, and he was assisted by Charles D. Stark, Jr.
James Boyd, head gardener to Mrs. William Astor, sent a lot of Harrisii blooms to New York this year for Mrs. Astor's ball. That the flowers might reach their destination in good order Mr. Boyd and his assistants went personally to New York with them.

The decorations at the dinner and cotillon of James Stillman in New York on Friday were of American Beauty roses simply, of which there was a great profusion.
M. Rice \& Company of Philadelphia, are placing a great many goods in this section, especially in florists' ribbons and chiffons.

Arthur Griffin, head gardener to Elbridge T. Gerry, sent some superbly grown azaleas to New York for the Gerry ball.

Ernest Schoepke has been here for several days taking orders for a general line of nursery stock.

Mr. Hay, in the interest of Henry A. Dreer, of Philadelphia, has been here for a week.

Henry J. Hass made a trip to New Fork a few days ago.

\section*{Albany, N. Y.}
A. Danker, the well known Maiden Line florist, thought of a novel scheme of window decoration in honor of Mekinley day. He decorated his winlow with vases of all sizes filled with thirty different varicties of carnations, most of which have been lately introluced. Among the varieties shown were Enchantress, Mrs. Patten, Daheim, Lady Pountiful, Judge Hinsdale and White Lawson. Occupying a prominent place in the exhibit was a large framed porf rait of the late presirtent.
liovernor Miggins gave a dinner JanHary 28, at the executive mansion to prominent society people of the city. Sovers were laid for twenty-eight and the lecorations, supplied ly Eyres, were in white and lavender colored lilacs. Tho annual dinner of the Albany county Republican Organization will he held in Odd Fellows' hall on the |faralions will be ly Eyres.

\title{
JOSEPH HEACOCK,
} WYNCOTE, PA, -GROWER OF-
Kentia Belmoreana
\({ }^{\text {and }}\) Kentia Forsteriana
Please mention the A merican Florist when neriting.

\section*{A sparagus \\ Plumosus Nanus}

Fine plants. 3 -in., \(\$ 3\) C0 per 100: 4 -in., \(\$ 7.00\) per 100 . CARNATIONS, unrooted cuttinge. Euchant ress. \(\$ 150\) per 10u: Lawson, 75c per 100; Crane
America and F. Hill, 50c per 100 . America and F .

SAMUEL WHITTON, 15-17 Gray Ave., Uitic3. N. Y.

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All the popular sorts. Fine bushy plants, 3 -inch pots, \(\$ 6.00\) per 100 .
Chas. A. Knapp, CHESTNUT HILL, PA,

\section*{BOSTON FERNS.}

Extra fine stack, cut from bencb now ready for 5, 6, 7 and 8 -inch pota. at \(22500,850.00,875.00\) and 8100.00 per 100 KENJIAS, RUBBERS, ASPARAGU
PLUMOSUS NANUS. CaAB or reference plaass.

L, H, FOSTER, 45 KIng st.
Pi

\section*{CANNAS.}

In 20 best varieties. For prices see American lorist. January 28, page 57
CARMATISNS from 2 -inch pots and rooted cuttings. My stock is in A No 1 shape and sure to please. Get my prices before ordering elsewhere
W. W. COLES,

Kokomo, Ind.

\section*{IT WILL PAY YOU.}

Tuberous Begonias \begin{tabular}{c} 
planted now will \\
make \\
excellent \\
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\end{tabular} apring bedding planta. We will mail collections for \(\$ 1 . c 0, \$ 200\) or \(\$ 3.00\) in siogle and double ixed. SEND NOW. HUBERT \& CO.,
N. Le page, rep.

MT. VEASON, N. Y.

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TINY PLANTS. in 2 and 3 -in. decnrated japanTINY PLANTS. in 2 and \(3-1 n\). decnrated jap RHAPIS, 5 to 15 shonta, 50 cents each.

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John Burton, Assignee
paims. frons. crotons oed mfcorative piants.


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Palms andAsparagus Cheap.
}

\author{
Latania Bor., \&-in. pot, Per 100
}
 6-1n. pot, \(16-20 \mathrm{ln} ., 8\) - ch . lve. 16.00 6 -in. pot, \(\mathbf{2} 0.24 \mathrm{in} ., 4 \mathrm{chr}, 1 \mathrm{Va}, 20.00\) Kenlia Bel., \(2 \%\)-in. pot, 6 - 8 in., 8 leavea.. 10.00 " 44 in. pot, \(18-15\) in., 4 - 6 leaves.. 16.00 Asparagus Sprengeri, 2-ibch


\section*{SHERMAM NURSERY CO.,}

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Kentia Forsteriana, 2-in. pots Per 100 Per 1000 very strong . .......................... 85.00 \$1500 Kentia Belmoreana, 2-in, pots, very
atrong................................... 4.00
Corypha Australis, 2400
Chamerops Excelsa, 2-in. pote...... 300
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\section*{The Allied Trades}

Descriptive particulars-with drawings or photographs, if possinle-of any new apparatus or device which may prove relpent

The price of Belgian glass is reported to have advanced at a great rate, and the value of exports during the last eleven months has diminished 10,500,000 francs. Exports during last November alone amount to \(1,500,000\) franes less than exports for the same month of the preceding year.

The New York Glass Market.
Trade in the local market has improved slightly, but the volume of sales for the week is not as large as it ought to be at this time of the year. The manufacturers are still quoting jobbers the same prices as announced on January 11, says the Oil, Paint and Drug Reporter. It is claimed that the Manufacturers' and Jobbers' Window Glass Association control about 1,045 pots, including firms whose output has been sold under contract to the jobbers who are members of the association.

\section*{The Oil and Paint Trade.}

The demand for white lead shows less strength, which also applies to lead in oil as a result of the sharp break of 15 cents per 100 pounds for the metal, says the Commoner. Dry white lead met with a good demand, which, however, dropped off, owing to the drop in the metal. Sales of parcels for delivery not beyond April have been made at \(51 / 4\) cents and ppward. The withdrawals on contracts for lead in oil were large and additional orders have been booked at \(6 \frac{1}{4}\) cents and upward. Foreign makes are a shade easier in tone and quoted at \(91 / s\) cents, but sales have been light.
The market for linseed oil remaius quiet, but prices hold firm and no disposition is being shown by crushers to urge sales. State and Western raw American is quoted at 41 to 42 cents and city raw at 43 to 44 cents. Boiled city is quoted at 2 cents per gallon higher. Contract sales were light, but we hear of sonve 1,000 barrels of Western raw having changed hands at 41 cents for later shipment. The jobbing flemand has been fairly goorl. No rhange in prices in the immediate future is looked for.

\section*{Greenhouse Heating.}

Ed. Am. Flomist:-How much pipe will it require to heat four houses, \(28 \times 200,30 \times 200,22 \times 125\) and \(22 \times 140\) feet respectively? Two houses have 14 -foot rldge and two a 10 -foot ridge. How many runs of pipe will I need in each house and should it be \(11 / 2\) or 2 -inch? What size boiler in horse-power will be necessary to do the work, the temperature outside never falling below \(16^{\circ}\) below zero? The north wall of the \(28 \times 200\) foot house is 7 feet and the south wall 5 feet high.
H. S.

The question does not state which houses have the 14 -foot ridge but it is taken for granted that it is those that
have the greater width. Neither is anything said regarding whether steam or hot water is to be used but, from the size of the pipe, it is inferred that the latter will be employed. Another important detail, viz., the temperature desired in each of the houses is not furnished but it will be supposed that \(60^{\circ}\) is desired. For houses of the length mentioned, it will be advisable to use \(21 / 2\)-inch pipe for the flows and 2-inch for the returns. To heat the house \(28 \times 200\) feet, six flows and 12 returns will be desirable. If the house \(30 \times 200\) feet has no exposed walls, as is inferred, it also can be heated with six flows and twelve returns. If there are walls, an additional return will be needed. For the house \(22 \times 125\) three flows and ten returns will answer. It is understood that the house \(22 \times 140\) has one wall exposed. If such is the case, it will be well to use four flows and ten returns.


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Young \& Nugent.... 83

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Vol. XXIV.

\section*{TTHE AMERICAAN [FLORIST}

\section*{TWENTIETH YeAR.}

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\author{
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.
Officers-J. C. Vaughan, Chicago, president; dent: WM J STEWART Il Iamilton place-preom 11, Boston. Mass., secretary; H. B. Beatty, Oil Gity. Pa., treasurer Twenty-firstannalmeeting at Washington, D. C., August, 1905.

THE AMERICAN CARNATION SOCIETY.
Annual convention at Boston, 190\%. ALEERT M. Herr, Lancaster, Pa., secretary

\section*{AMERICAN ROSE SOCIETY.}

Annual meeting and exbibition, Hoston, Mass., March \(23-26,1905 . W \mathrm{~F} . \mathrm{J}\). Stewart, 11 Itamilto Place, Boston, Mass., secretar

CHRYSANTHEMUM SOCIETY OF AMERICA
Annual convention and exhibition, November 1905, Fred. H. Learon, Richmond, Ind., secretary

\section*{this issue 44 Pages with cover.}

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American Breeders' Association.
second anNual meeting.
The second annual meeting of the American Breeters' Association was heht in Morrow hall of the agricultural building of the Unicersity of Illinais, at Urbana, Jll., Tebruary 1, 2 and 3. In the absence of Hon. James Wilson, seeretary of agriculture, president of the association, viee president L. H. Kerrick, of Bloomington [1l., oceupied the chair. Addresses of weleome were made by Dean Eugene, Davenport, Ia., on the part of the College of Agriculture and by Hon. A. P. Grout, representing the Jllinois Live Stock Breeders' Association. The response was made by Dr. H. J. Webber, of the United States department of agrieulture. Dr. Webber advocated the registration of plants by the national associations interested, and that these records be published so that the plant breeder may have a similar record to the Iedigree books of the animal breeders' associations.

The first paper was read by Prof. W. M. Hays, assistant secretary of agriculture, on the subjeet, "The Breeding of a Mardy Alfalfa." The first paper of the afternoon session called forth considerable discussion. It was by Dr. George T. Mooro on "Breeding Nitrogen Fixing Clover Bacteria,", The paper on "Breeding Grapes," by I . V. Munson, Denison, Texas, was reat by Mr. Rowe. The author detailed the method followed in securing an early red market grape. Lindley x Delaware gave the variety Brilliant; Moyer x Brilliant resulted in the new grape, Hradlight, regarded as a notable advance in grapes of this class.
lmprovement of the Strawberry by Selection," was the sulbjeet of F. E. Beatty, of Three Rivers, Mich. The Clyale is loeing selected to increase the amount of leaves. The Gandy, which, on the other hamd, tends to make too mueh foliage, is being selected for an increasell number of crowns. William Belt, a variety susceptible to the rust, has been inproved by continually selecting flants most resistant to the disease. linst could lee controlled hy spraying, lut for the average planter, it was best to procure a resistant strain of this variety
"1'Iant Improvement by Itybridiza tion," by H. 11. Grofl, Simcoe, Ont. was read hy f'rofessor Rankin. The writer believed in making crossos between every available type of plant
in order to secure all the benefits of existing material. The use of every wild species was recommended as each will prove useful in some feature valued by us. New domestic types are thus created which, as sires, will prove of value in revitalizing crosses with existing varieties.
"Our Breeding Interests," was the subject of an excellent address by Prof. Hays who stated the favorable attitude of the department of agriculture and told of the co-operative work being done in plant and animal breeding. "Brecding Disease Resistant Plants," was the topic of W. A. Orton, assistant pathologist of the department of agrieulture. Lantern slides were used to illustrate the work done with Sea Island and Upland cotton and with watermelons. The forenoon of the sec. ond day was given to the consideration of auimal breeding.
C. W. Ward, of Queens, N. Y., gave a most exeellent address on "Carnation Breeding"' which he illustrated by means of colored lantern slides. The speaker exhibited what was considered as the original type of the caruation and traced its evolution until the present day. The various color sections into which commercial men divide car nations were shown, as well as some freaks in hybridization. The speaker gave statisties showing the magnitude of the earnation industry.
'Heredity"' was the subject of a paper by Luther Burbank, of Santa Rosa, Cal. Professor Hays prefaced the reading of the paper by saying that Mr. Burbauk was an artist in plant breed ing in that he coulil select out of a vast number of seedfings those which wer likely to prove of value and thus avoid the neeessity of testing any but the Worthy few. No man in the morld has done as much in practical plant breed ing or had a greater insight of the philosophy of the subject. Tho author defined heredity to he "the sum of all the enviromments of all the last.' 'The treatment of the subject was philosophical ant intensely interesting.
Dr. II. J. Webber gave the association the "Explanation of Membel's Law." The number of questions asked by practioal animal breders evilened the great interest of the American farmer in the science rplating to his business Professor W. J. Spillman gave an instance of a lot of aple seedlings which temed to show that the apple obeyed Itendel's law. In a lot of
1.000 seedlings seventy-five per cent producel sweet apples, showing that of the contrasted characters. sweet and sonr, sweet was the dominant eharacter. If this he true the possibility of obtaining fixed varieties from seed and the probable result of crosses to improve cettain varieties can be largely predicted. Professor Emerson, of Lincoln, Neb., gave the results of breeding beans. Considering stringiness he found that the longitudinal and the transverse strings of the pods to not constitute a pair of contrastive characters, and that seellings of crosses between string and stringless beans often have one without the other. The bush and vinc characters follow Mendel's law.

The afternoon session was devoted to the discussion of "Corn Breeding,' by Dr. C. G. Hopkins, of Urbana, ant C. P. Hartley, of Washington. D. C. The session closed with an exhibition of moving pictures showing the processes in breeding wheat at the Minnesota experiment station. A reception was tendered the visitors Thursday evening by Dean and Mrs. Davenport, at their home.

The old ofticers of the association were re-elected with the exception of Dr. H. J. Wehher, who derlined the nomination. (. W. Warl was chosen chairman of phant section to succeed him.

Among those present were the following: Dr. George T. Moore, Dr. II. J. Webber, Professor W. J. Spillman and C. P. Hartley; Professor V. M. Hays, Minneapolis, Minn.; Jrofessor Oscar Erf, Manhattan, Kan.; Professor E. I'. Sandsten, Madison, Wis.; Dr. C. E. Samders, Ottawa, Canatia; Chas. D. Woorls. Orono, Me.: A. .J. Glover, Fort Atkinson, Wis.; Frank llastings, Strmforl, Toxas: ('. W. Ward, Queens, N. Y.; W. W. Tracy, fetroit, Mirh.; Professor R. A. Emerson, Limerln, Neb.; Professor F. 13. Muntord, Columbia, Mo.; Professir J. H. Skinmer, Lafayette, Ind., Leonard fl. Vanglan, Chicago.

Plant Improvement by Hybridization.
[Abstract of a paper by H. H. Groff, of Simcoe, Ont., presented at the second meeting of the American Breeders Association, Champaign, Ill., February 1-3, 1905.]


At the last meeting of four association, helil at st. Lonis in Wecember, J903, I presented a brief andress on the general advantagos to be gainen? by hreading from "tame" versus "wild" species.
In presenting these advancerl virws, which were the result of years of pursonal obsurvation and prationl axprience in sueh system of flant bromding, I took it for granted that the primary forint, as to the actual fossibility of "rea'ing domestie species by hybridizalion, had horn gemerally armitterl. in fact, some two vears agn I reporided my contention on this point throunh the Now Sork horticultural 1tres.
It was therefore with som" surprise that I saw the reront moneromers mado hey Profe do trios of llallaml, in his allaress at sit. Lamis latst suptrmbure, romerted as an "Aliseovery." If therr is such a diservery in mommetion with this impertant ressilt of scimotific plant brombing, athl if my origimal jublir ref. wormer for har fart antedates that of

Prof. de Vries, I desire to claim the honor for America.
The Darwinian theory as to the natnral ereation of species, is none the less true, but that such theory was intended to be accepted as an insuperable barrier to the results of scientifie afiort, could never have been thongit of. It stated what we know to le pieriectly true in nature-that the creation of wild species requires ages of time-but as I have recently expressed it, "the unfettered mind of man has hridyed the ages, and in hastening evolution liy hybridization, has rushed into the eons of the future, and laid their treasmes at our feet.'
It would not be possible in a paper features of this important aspect, resulting in my experience from my roongnition of domestic species amomer my advanced creations, during years ot constant and eritical observation in the field, from several hundred thousand new seedlings of the gladiolus, as surh detail is capable of limitless elaboration as to its actual and possible application


The Late Chas. A. Keyes.
(Sve obituary, issue of Februatry 4, page 73.)
in scientific and economie plant breening.

You will apprecinte my statement When I say that, although endowed with a fertile imagination and optimistic temperament, with the added advantage of a life of business training to perfect my meutal bilance, 1 confors to a fecling of helplessurss at the immensity of the visible fied, for pratieal, valuable and useful results, arising from my limited application of the system of flant breeding advorater ly me.

I used the word "Pimited" anfrasedly, for the reason that my use of parents bred from varions wild specirs, has been with the objowt of meeting existing eommereial and popmor domands, and conspduently I have only attempted at few of the many lines of jossible use at my disposal. Jom will therofore unilerstand me when I elam the limitless possibilities oprad up hey the few lines so selectent, as compared with an attomper to enmpass the immensity of thas whole of the sisible diell.

Itrer agatin the visible fiold is fomm tor lu bint ar borlar of the limitlass ran'hus of atormal possiltilitios, and am
rou wouder that if the human mind jralls at the prospect opened np by a fraction of its revelations, how may we hope to grapple comprehensively with its immensity, were even a portion of the remaimder effectively arailed of? Then, further experiments in a fraction of a section of the visible field, have provel to me that even here the development of new forms and types promises to multiply indefinitely, in the subsection so chosen for elaboration; so that specialization becomes imperative, and laving chosen the best lines apparent to our restricted perception, it would not be wise-if it were possible - to return to the center, and radiate indefinitcly in aimless experiment.
The practical and general application of my system may be outlined as follows: In order to secure the benefits of existing materials, make crosses between every available type, regardless of apparent objectionable characteristies.

Select sires from these and use on every wild species obtainable, on special and general lines-crossing and re-crossing until desirable types are produced.

Then bring the selected offspring of all wild species together in intercrossing on special lines, as each wild speries will brove more useful than another in some indivitual feature valued by us, for, as already indicated by me, sperialization becomes imperative.
The result of the foregoing will be the creation of new domestic specific tyres, valuable as sires for use in revitalizing crosses on existing varieties of merit, and the production of new forms and types of unexpected quality ant? value.

\section*{Novelties.}

It has scemenl to me of late that there has heen mum improvement on the part of our eatalogur mon, in the method of selooting and pushing novelties; that the specialties of this kind now put hefore us, as a whole, liave more of merit, and that there is less fantastic fiction in the descriptions and claims put forward for them. It may be that wrir tendency to avoid buying from the lying catalogues, or dealing at all with the makers of them, has caused us to le stricken off from the mailing list, and henre we do not see as much of such practice as in the past. However, I hardly think that this is the explanation. Our leading catalogne men, it is quite certain, have discovered that exaggeration and leliberate deception dops not pay; and that the following ul of this practice in the end results in a loss.

It is quite true that a new "sncker" is born every minute, but the bankruptey court waits for those who continuoisly drpend on "new suckers" for their business. There are fine novelties put ont by the leading firms today which have not some merit, and, knowing how uncertain all things horticultural are, it is fair to say that the proportion of rank failures in this class of stock, now, is not greater than may oreur by accinent and after supposed ronelusiva tosks.

New, odd and rare plants and flowers may be considered almost essential to the sucerssful conture of the florists, masimess today. Roference is not here malo to new varietios which arr bought as improvements on existing staples,
and for the displacing them, as heing letter, or more prolific, or more vigorous, but to those new and interestiner things which are continually being put out, for which there will he only a limited, and jossibly short lived ilemand. They are almays expensive to buy, often difficult to handle, am generally, if one comes ont whole on them in wirect cash results, he is fortunate. It is in the indirect results that snch things

\section*{WITH THE GROWERS}

Julius Roehrs Co., Rutherford, N. J.
We prosent in this jssue a number of illustrations showing some of the leading features of the woll known establishment of the dulius Roehrs Company, Rutherford, N. I. The name Rochrs associated with high grade plant stock


HOUSE OF PHALENOPSIS AMABILIS AT THE JULIUS ROEHRS COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.
have their greatest value. Of course care and judgment must be used in their purehase or much loss may oeror. The extent of the business and the "haracter of the fatronage mast be finlly considered. Such purchases ean oftell le comsidered rather as adrortising expentiture, tham as merchandise transartions.

The impression that one is up to date, that at his estahlishment all the now things are to be fomm, is a gemb bre: to so out amones buyers. A judirjons sprinkling of novelties, a fow well grown sperimens, and at'rw of the ald and unpofitable, lint interesting, thinge, tomes mp the wholw place and Araws tride.

There is no form of almertising su pfleative and so chemp, is a motia in tho local proper that at the doms hasamm the new nechind Howered tohace or the new shasta daisy or the everblomming rambler ruse is now in bhom and the publie is invitad to call and insped it.

Let as all then, path abeordine tor his manss :um the limitations of his hasi ness, invest in a fow noreltios mably year, exploit them in every lagitmat. way, and, it they do wot return tha money axpented for them a hamberd fold and do mot prove to have permi. Heut amd hasting valum, yot bu shrt thal they have paid indirently, amb pail well.
W. N. litwo.

Athanfa, Ga.-Ben Gillespin has resigned as horist and gardenur of dirant park. 1lo was elected to that positiont by the fark hoard but three wisks ago.
 Comphny has heen prawed in tho hamds
 "ompany lats stomes and gromhomses at
 the eronthe is thonght to be dane io branching out too extensivaly
is known to erery plantsman in America and to all the prominent growers abroad. A visit tu this establishment is well repaid at iny time of the year and more especially so a few weeks lefore 1 lap Christmas and laster holidays, as the dirm makes a specialty of frombeing tine fluwering and foliage plants for thr emstern markets. There is hardly anything in the demotiva plant lime that wan mot lownd here in the frest pussiblu coudition and this apples with cymal turne to leading lines "f llowering plants. A few of the specialties which are expeedingly well Erown judula ardisias, Begonia Gloire the larame. Iranema tomimalis and
the rare Phonix Rochlinii. Orehins, conmially cattleyas, are extensively grown for the "ut flower market. The orchid homses, however, are hy nameane devoted to cattleyas exmbusely. All the leading eat-fiower kinds sumb as onejliums, phatenopsis, Dendrobium lhalamopsis, D, formosum giganteum, Tamda cerulea, etro, are grown in quantity.

Thompson Carnation Co., Joliet, Ill.
Those who visited the Chicago convention of the American Cumation Sodicty a couple of wecks ago no douht visited the establishmont of the J. I. Thompson Carnation Company, at Joliet, 111., and saw for themselves what was going on tliere. It is always interest. ing to note what such exchnive spt cialists are doing in their line and for the benefit of that large section of our realers which has had no opportunity to visit the phace we now presunt some notes made at this place two weeks before the convention. The varieties grown and quantity of each are as follows: Wostum Narket, 8,000; Govarnor Wolfott, S.000; Furhantress, 6,000; Nelson Fisher, 6,000; Mrs. I'atten, 4,000; Mis. Lawson, \({ }^{4,000 ;}\) Estelle \({ }^{2}\), 4,000; Mrs. Nelson, 2,000; Robert Craig, 2,000; Flamingo, :2,000; The Belle. 1.500; The President, 1,000 ; Lady Bonn tiful, 500.

Rohert Craig of course, is the most interesting variety on the place. Unfortunately, however, most of the plants were cut back very close for cuttings, as 20,000 plants are to be grown next year. This is a fine scarlet, with flowers three and onehalf to four inches in diameter, borne on excellent stems. Fobert Crajg will bo distribnted next vear by this firm and C . W. Ward, of Queens, N. Y., Mr. Ward hoing the originator. The sinle of cuttings , we maderstand, will hes limited to 400,000 the greater part uf which are already ordered.

Nelson Frishre will take the plare of Mrs. Lawson herraitur. The former, Mr. 'Thompson says, produres more hbomes of better minur aml form with longer stems than Mrs. Lawsom, and it ships better. Where seventy-five pu' reat of Mrs. Lawson's Hmbers split. muly five per "ent split of thome al


HOUSE OF PALMS AT THE JULIUS ROEHRS COMPANY'S ESTABLISHMENT RUTHERFORD, N. J.

Nelson Fisher grown umber the same conditions.

Boston Market is one of Mr. Thompson's farorites. This varicty blooms very freely and the stem is good. There has been a larger sale here of rooted cuttings of this variety than of any other standard sort.

Flamingo from outdoor plants has given much more satisfaction than those srown indoors all season. The flowers of this variety turn black when cut.

Estelle, which Mr. Thompson considers the best scarlet in commerec, will be dropped in favor of Fobert Craig, the only searlet he will mrow next season.

The Belle and licut. Peary, with a few Boston Market, will be grown for white, and Govornor Woleott will not be grown next season.

Prosperity in this market does not pry for the room it neets, and therefore will not be grown again.
Mrs. Nelson will not he grown mext seasen, as the flower is considered too smatl.

The President for arimson blooms quite freely and the shade is grod.
The Felle Mr. Thompson considers better than any Laty Bomatiful.
Enchantress has produced here a pink sport of Scott sharle.

Mrs. Patten has produced a piuk sport of Lawson color.

\section*{Cyclamens and Schizanthus.}

At the nursery of Hugh Low \& Commany, Bush Till Fork, MiddIesex, Eng., I recently saw well flowered plants of a new variety of distinct salmon cycla men, named Low's Salmon. This evideutly will we well known soon, as, besifles being a form of giganteum, it is quite a new type, in addition to being a favorite color. In separate houses I saw well flowered plants of the feathered variety, Bush Hill Pioneer, in white, rose, red and sahmon shades. A large house was filled with young plants of this firm's new dwart Schzanthus Wisctonensis grown like primulas but somewhat cooler.
L. J.

Forkrobis, lif.-Mis. 1T. W. Buck. loe left this week for Californa.

\section*{THE ROSE.}

\section*{Proper Starting of Young Stock.}

Rose cuttings require about three weeks' time under favorable conditions to become rooted sufficiently for potting, perhaps a few days less, or a little longer, as the ease may be. To be on the safe side euttings may be lifted here and there and if the roots have attained a length ot a half inch or even less, they are ready for the pots anil can be handled without injuring the roots. Two or three days later it wonk hardly be possille to pot them without breaking many roots, causing a slight elieck at the very beginning.

Before going any farther, the preparation necessary for potting should be attemed to. For Bride, Bridesmaid, Golden Gato and any other cuttings made trom small wood, a \(81 / 4\)-inch pot is about the proper size. For American Branty euttings it is advisable to use 21/2-inch pots. I find that washing old bots will keep the soil fresh for a much longer perion than to ase them in a somewhat mouldy condition. If new pots are used they should be placed in water unlil soaked through and then placed where they will drain. As soon as the surplus water is drained off they are ready for use. The benefit of this treatment will he noticed in the easy manner in which the plants take the water after potting. If new pots are used without previously soaking them, quite a unmber break when watered the first time and it takes so much water to wet them through that the soil is left in a muddy condition which should certainly be avoided.

Now we must look up a suitable house in which to place the young stock. This is one of the essential requirements and must be carefully looked after. Select a house where the young plants can get plenty of sum and where the piping is sufficient to heat the house at night from \(56^{\circ}\) to \(58^{\circ}\) in any kind of weather. Clean the benches thoronghly and if any cracks wide enough to let the ashes sift through are at the bottom of the tables, tack thin strips over them or spread excel-


AN IMPORTATION OF CATTLEYA PERCIVALIANA JUST RECEIVED AT THE JULIUS ROEHRS COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.
sior over the eracks. The face boards should be dropped to about three inches as it will be found quite difficult to water or syringe properly otherwise. Now place coal ashes that have been screened quite finely about threc-fourths of an inch deep on the tables, and after leveling, water down and pack firmly enough to keep the pots from settling.

Then comes the mixing of the soil. Select rather stiff soil, full of fibre, and add about one part of thoroughly rotted cow manure to five parts soil; the whole should the dry enough to screen easily, using a sereen having a half-inch mesh. Mix thoroughly and do not allow the soil to become dry. The soil should be just moist enough to settle elosely. withont packing hard as it will do if too wet. In potting, have the roots well up in the top of the pots, leaving the pots almost filled with soil. In order to pot a rose properly, sift the soil loosely around the cutting which is held with the roots near the top of the pot where the soil is slightly rounded above the pots, instead of pressing the soil tightly around the roots with the thumbs. Use a slight pressnre of the thumbs until the cutting is held firmly. American Beanty cuttings must be potted in this manner and with the greatest care, to have them start off nicely. Select the most careful men you have for this work and do not let them try to break any records as to the number potted in a day. Several hundred can be potted before running them in on the table, if kept in the shade.

After placing them in the house, water carefully with a mediun rose filling the pot; they can be watered again in an hour or two. Do not try to give them enough to do them in one watering, which makes them too sloppy. After the second watering knock out a plant here and there and see that the water has reached the bottom of the pot. To avoid over watering in spots, place a blank label in the pot where the watering was left off.

If it is a bright day the plants should be shaded immodiately after they have been placed on the table and watered. The shading should not be placed next to the foliage, but raised 6 or 8 inches above, to allow free circulation of air. Shading by laying praper over the euttings is a very poor method; cotton cloth tacked on light frames does not eost much and answers the purpose in every way. They can be used for several seasous if placed away carefully after using them. The shading should be removed on cloudy days and by allowing the sun to strike them a hittle longer each elear day motil root action takes place, it can then be removed entirely.
keep the soil in a fairly moist condition until they are well rooted throngl; then they will be able to take a greater quantity of water. Syringe in bright weather and fumigate lightly abont every ten days. Keep a little sulphur on the pipes constantly; spot out all the dry plants previous to giving them a general watming. On bright days with plenty of ventiation the temperature maty go as high as \(75^{\circ}\); on clouly days, \(60^{\circ}\) to \(65^{\circ}\), and from \(56^{\circ}\) to \(55^{\circ}\) at night. If this method of treatment is carried ont faithfully I am quite sure the result will be a thrifty lot of young stock. Further treatment, repotting, etc., will be mentioned in due season.

\section*{Rose Troubles.}

Ed. Anertcan Florist:-
What shall I do with my roses\& In 1893 about two inches of cinders were placed on the bench and over this about four inches of soil mixed with refuse from a nearby slaughter house and the roses benched. They did fairly well when in 1894 the plants were taken out and planted outdoors. A little fresh soil was added to what was left in the
for his next rose venture, which will be a real help.
E.

\section*{Rose Mme. Levavasseur.}

What a beatiful thing that new rose Nome. Norhert Levavasseur (Baby Ramhler) is ind what uses innumerable it ran le put to despite the fact that the boor little thing has been so terribly hawlicapurl by the two names given it. Tho French one is so rumbersome


DRACENA TERMINALIS AT THE JULIUS ROEHRS COMPANY'S ESTABLISHMENT, RUTHERFORD, N. J.
benclo and more roses were planted. In November I found the plants badly miklewed ant making little growth, many of the balls showing half an inch above the soil. On examination I found the lialls on the cinders and not enough soil to rover them. I put on a muleb of about an inch of soil and mamure from an old hot-bed and they seemed to appreciate it hat the old soil "euts like cheese,'" and although I have driet until the leaves fall off, the loottom of the heach seems '"soggy"' and some of the plants are of that light rolor indi rating wet feet. The growth has been mand longer, hat too wak ta hold the buds straight.

I ordered the night man to krep the honses at \(50^{\circ}\) at the north and which makes about \(60^{\circ}\) to \(62^{\circ}\) at the south, but I have eanght it as low as \(43^{\circ}\) at the morth end. I have just put on another muleh on one part, an inch of well rotted manmre and soil, half and half; on another part manure alone amb on the rest nothing. Would a little lime or ashes be of benefit?
I. Q.
[n reply to ".J. Q." who has been having trouble with his roses, there is but little to be said. ITis methouls were sll wrons since bre started them in 189: twelve rears ago. "J. (?." has hat ample time to hasr formil ont lis mis take sinct. Evidently he does not take ally of the trate bianors which have pontained many articles sinee 1893 from the pens of some of the hest growers in the country, which surely would have enalled him to have aroided the many mistakes mentioned. I armestly advise "J. Q. \({ }^{2}\) to subserib, for the Amertad Fionest and ho will perhaps find something to guind lim in the start
and so levoid of suggestion that it is little womber those interested since its introlurtion in this rom. try sought for it a name more suitable. That the latter have cotirely snceeeded will not be admitted by those most concerned. The name Baly Rambler wonla seem to indicate that at some future time it would grow out of its babyhood and be a real rambler. It will not, it is to be hopent, ever rammar, but remain the hright, phecrful, "hubhy little beauty it is now.

That this rose will be in gruat demand for years to come goes withom saying, and the ease with which it "an be Iropagated will not to any grat extent lessen the demand, at least not for some time. I think every one will want to have it, and when it van bo prolnems at reasomable cost every ond will get it. But let those who stan? sponsor for it have another try at nam ing it, ewon though they may ask, "What's in a mame?'" Not a great real, perbaps, bat thme is a great deal in that rose

Ibivid MeIntosif.

\section*{American Hawthoms.}

For handsome flowers in spring, attractive foliage in summer, showr, conspicnous fruit in early and lato fall, bold distinctive habit of branching wheh is so notireable in winter, and ririle, absolute hardihood, there are very few American shrubs or small trees that can compare with the Amer ican hawthorns. They adant themselyes to all kinds of ornamental plantations, whether in the ornate effects of well kejo private estates, or in the broad effects of large pastoral ur rural parks; anywhe, where the soil is adapted to them, they give dignity and harmony to the surroundings. They seem to prefer heary, stiff linestone soil in native conditions, and as far as we have observed they oceu very sparingly in light, sandy soil. We have planted them eceasionally in sandy, light soil, but in a dry scason the foliage will present a blighten? apearance, and prove that in sucb conditions they are not hanpy.
'lhere is a more or less prevalent intea amongst ornamental phanters, that the Ameriean hawthorns are difficult to pant and transplant successfully. Our experience with them (amd we have handlocl many of them, from small scedlings out of the seed beds, to plants tom and twelve fert tall, dug from will copses) has heen omb of very few failures. In transplanting indi vidmals of considerable size, either from the umsery, or growing wild, thes shonld be promed badk quito sevarely and given reasonable rare in other respects, and in two or thres rears


DRACENA MASSANGEANA AT THE JULIUS ROEHRS COMPANYS ESTABLISH MENT, RUTHERFORD, N. J
time they will be objects of beauty. For example, three years ago, we transplanted a handsome sperimen of Cratægus Pringlei fifteen \(\mathbf{f}\) eet in height, being careful to secure a spread of roots eight feet in dianneter, and took great pains to obtain all the roots possible, The top was cut back three feet, and the side branches correspondingly. It quickly started into growth, and las year it flowered and fruited gloriously.

E. V. Hallock.

The seed of the majority of the spe cies lies dormant for two years in the seed bed, or boxes, whichever way they are treated when sowed. We have found some species such as Cratægus matura, and C. spissiflora, come quite freely the first season after being sowed, and we have observed some species lie dormant for three seasons. It is customary, and good practice, to separate the pulp from the seeds in sowing, as a very nuch larger percentage will ferminate, than when the fruit is sown intact. However, if we have a large quantity of fruit of some species, and as the labor of separating the pulp is quite considerable, we sow the fruit as gathered, and we always get enough to answer our purpose. But with a small quantity of fruit of important species the most prudent course is to separate the pulp from the seeds, by maceration in water.

During the past six years a surpris ingly large number of new species of hawthorn have been discovered and lescriberl from the regions around the great lakes, lennsylvania, Illinois, Arkansas, the Carolinas, and Texas. The greater part of this work has been acoomphished by Prof. C. S. Sargent of the Arnold Arboretim, Boston, and a number have been leseriberl by \(C\). D. liealle, Biltmore, N. C., and W. W. Ashe, West Raleigh, N. C. It was for many uars enstomary for botanists to refer hese immense segregations of Ameri an hawthorns seattered ofer wide rials of the North Americar continent (1) variations of three or four species, and this was probably an basy way of disposiag of what has latoly turned out to be an inevitalde and arforons task Somewhere frons three to four hundred sporifs have now bron fosmribed

Wm. H. Elliott.


During the past five years the writer, at the request of Prof. Sargent, has given considerable attention to the numerous hawthorns scattered along the banks of the Genesee river, Buffalo, Niagara falls, and some parts of Ontario, Canada, and the characters of over sixty species are now familiar to him; and the specific marks are just as plainly visible as what we know to be the difference between the silver and

Y OF AMERICAN FLORISTS.
sugar maples. In some instances the species appear to be somewhat localized, but in most cases they are quite widely distribnted, and the individuals are remarkably true to the specific characters, in number of stamens, color of anthers, size, shape and color of fruit, formation and texture of leaves, spines, bark, branching babit, etc.

At the Arnold Arboretum an immense number of seedlings have been raised of the new species, and of many others still uniler record numbers, but a good many of thase now nuder numbers will probably he referred to described species. It is a fascinating experience to
examine those numerous batches of young hawthorns with Prof. Sargent or Jackson Dawson and observe the fidel ity with which these young plants grow to the type characters, and demonstrating beyond question the scientific accu racy of the work which has been accomplished, and is still in progress

In another issue of the American Florist we will describe a few of the most important of the new species for ornamental planting.

John Dunbar.

\section*{Society of American Florists.} THE NEW DIRECTORS.
In the selection of W. H. Elliott of Brighton, Mass., and E. V. Hallock of Queens, N. Y., as directors of the Society of American Florists, President Vaughan has hit upon two excellent men for the directorate. Both are thoroughly practical and they have advanced ideas which should prove very helpful to their co-workers. W. H. Elliott was born in Lancaster, Wis., in 1858. He went to New Lrondon, Conn. in 1866 and at the age of thirteen entered the employ of John Spaulding, continuing with him seven years. Mr. Elliott has never ceased to be thankful that be spent those seven years under an instructor so worthy as this straight forward old Scotchman. He is still liv ing in New London, although he has been blind for the past four or five years. At the age of twenty-one Mr. Elliott went to Boston, Mass., and took charge of a private place for one year, after which, for about four years, he was with Alexander Montgomery of the Waban Rose Conservatories, Natick. Mass., spending a part of that time in the greenhouses but a larger part in \({ }^{t}\) handling the product of this place in Boston, New York and Philadelphia. In 1883 he took charge of the J. A. Houston greenbouses at Greve Hall, meeting with such success that he soou left to start in business for himself, which be did in May, 1884, buying the Strong greenhouses at Brighton, Mass. Siuce that time he has devoted his attention to the growing of asparagus plumosus and roses. In 1901 he bought a 200 -acre farm at Madbury, N. H., and built the largest greenhouse in this country for the growing of American


GROUP OF CRATÆGUS MAINEANA.

Beauty roses. This and the Brighton place he carries on at the present time, doing a very extensive business, as extensive perhaps as that of any concern growing for the Boston narket. Mr. Elliott has been president of the Gardeners' and Florists' Club of Boston and he has occupied a number of other positions of honor and responsibility in the trade.
largely of every variety of gladiolus theu grown. When the collection was sold it contained some 1,500 varieties. The Hallock collection of lilies was also known as the most complete in exist ence. The entire stock of what is known as Gladiolns Childsii, something over 50,000 bulbs, also the bulblets and seed, was purchased by cable upon the truth ful representation of the originator of


CRATEGUS LANEYI
E. Y. Hallock.
E. V. Hallock was born in Dutchess county, New York, fifty-four years ago. The first nineteen years of his life was spent with bis parents and he was educated in Brooklyn and New York. In 1869 he went to California and was connected with the Southern Pacific railroad for three years. Returning east, he was associated with his father, V. 1I. Hallock, and succeeded to the business of C. Is. Allen, who bad bought a farm at Queeus some years previous. For mauy of the pleasant recollections and associations of his early life he is indebted to his love of horticulture and agriculture and to his father, who was a cultivator of rare ability and often entertained the most prominent horticulturists. In the fifties they grew the Antwerp raspberry, the Lawton blackberry and the Isabella grape for the New York market. In 1864 the original bulb farm at Queens, N. Y., was acquired. For five ycars this farm which is still in the possession of the Hallocks, was used for market garden ing. It was sold to C. L. Allen in 1869 and again came into the possession of the Hallocks in 1875. In 1867 or 1865 they grew the Early Rose potato when it was first sold in the New York mar ket for edible purposes, having bought some twenty barrels from B. K. Bliss \& Sons at \(\$ 40\) per barrel. From 1875 to 1892 Mr. Hallock labored very persistently building ap the trade and stock of bulbs and plants sold to John Lewis Childs in the latter year. This was the most complete and valuable stock of bulbs ever brought together. When the Hallocks first took hold of the business there was no complete stock of gladiolus in this country, George Such having the best collection at that time. They soon bought Such ont and in addition imported quite
this strain, Max Leichtlin, of Baden Baten. Even to-day Mr. Hallock considers Childsii the best of all breaks ever made in the gladiolus. Many of the best and most valuable varieties now used and catalogued were raised by the Ifallocks, but, strange to say, few of these sorts were considered good enough to put on the market as high priced novelties, although they were superior to most of the French varieties of that date. Allgusta and Octo roon were never considered of great value, but to-day ther are classed among the best. Snow White was bought near Boston, grown nine years, and over 50,000 bulbs were sold the first
rear it was put on the market. Nr. Hallock says that the American varieties raised at Queens appear to have had great staying qualities, and he consitlers U.S. Grant the best variety ever raised. Lilium Opal, which Mr. Hallock considers the best variety of \(L\). speciosum, was raised at Queens from one bulb, and when sold to Childs there were several thousands of bulbs in the different sizes. Mr. Hallock has a verv keen knowledge of ornamental plants in general, but his fund of information regarding bulbous plants is unusually large and varied, and it is frequently drawn upon by experts all over the world.

\section*{MARKET GARDENS.}

The Florida early vegetable crop was practically ruined by the severe frost of January 25 . The orange crop has also suffered very severely. The total loss is estimated at about \(\$ 2,000,000\). The temperature came nearly getting as low as in 1894, the time of the big freeze. At Jacksonville the thermometer registered \(16^{\circ}\) above zero, which was withiu \(2^{\circ}\) of the record 10 w temperature of 1894.

\section*{Prices of Indoor Vegetables.}

The prices of indoor vegetables at leading points Febrnary 4 were as follows: New York, cucumbers, No. I, \(\$ 1.50\) to \(\$ 2.50\) per dozen; No. \(2, \$ 2.50\) to \(\$ 3.50\) per ease; lettuce, 50 cents to 60 cents per dozen; mushrooms, 40 cents per fomm? radishes, \(\$ 2.50\) to \(\$ 3.50\) per 100; fomatoes, 25 cents to 30 cents per pound: rhubarb, 40 cents to 60 cents per dozen bunches. Buftalo, cucumbers, \$1 to \(\$ 2.50\) per dozen; tomatoes, 20 to 25 cents per pound. Pittsburg, cucumbers \(\$ 1.25\) to \(\$ 1.75\) per dozen. Cincinnati, cueumbers, \(\$ 2.50\) to \(\$ 3\) per dozen. Philadelphia, mushrooms, 15 cents to 30 cents per pound. E'leveland, mushrooms 40 cents to 50 ceuts per pound. St. Louis, cucumbers 中2 per dozen. Chicago, mush- \(^{2}\) rooms, 15 cents to 25 cents per pound. Kansas City, mushrooms, 40 cents to 50 cents per pound. Minneapolis, cucumbers, \(\$ 2.50\) per dozen. Detroit, cucum-


GROUP OF CRATEGUS CUPULIFERA
(1) in the banks of the Gegrsee riwn, Ronhentit
hers, \(\$ 1.60\) per dozen. Denver, encumlers, \(\$ 3.50\) to \(\$ 3\) per rlozen.

\section*{Fertilizers for Virginia Red Clay.}

En, American Florist:-
Please state which of the three fertilizers, nitrogen, potash or phosphorus, the red clay land of Tirginia needs most and which it needs least.

Stbscriber,
It is impossible to say with any certainty what fertilizer ingredient is most needed in these soils, since experienco has show that the fertilizer which does well with one crop in a given season has frequently failed with another erop or in a different season with a different rainfall or distribution of rainfall and temperature changes. What these soils most need to increase their productivity, is deeper plowing and thorongh tillage, the incorporation of organic matter, and a consistent system of crop rotation in which they will not be moler chan cultivation for more than half the time.
II. W.

\section*{THE RETAIL TRADE}

\section*{A New England Church Decoration.}

The illnstration herewith shows a church decoration for last Easter by C. W. Sibles, of Athol, Mass. The whole church was decorated in green and white, but of the five arches, only that inside the ehancel shows. 'l'he procession of rhoristers pass under this arch as they anter the choir stalls. It is composed of laurel and lilies, the lettering being cardboarl covered with white crepe paper. The other arches were marle up of laurel, ferns and white earnations. Tall lilies were used for the altar and sides and the rarpeting was of white thek with a border of lilies, palms and white flowering plants.

\section*{Decorations at Baltimore.}

An important event this week at Baltimore, Alu. was a dinner given at the Pelvedere hotel by Oscar G. Nurras. president of the Baltimore and Ohio Railroal, to somu twenty of his friends, the occasion heing a return eompliment to a similar hanguet given him by the same gentlemen on his return some mostho ago from Europe. The decorations were quito rlaborato and were thase deseriber in the dailies:

The dranation ut the table itself
 107ath immerner monntis of flowers stond at intervals, moth eompmest of a vari. aty of delimately heantitul vermal blossoms. 'lohro wite primmoses, Dapanese lilifs, rroeruss, jonquils, marguerites soml bher fhwrers arranged with ronsummater skill in sharling amb artistie
 batemen in fiathery grom firms, intersprom with ramations, apparntly

reality arrangol with grat vare
 la:antitul.

I thumb of riahmess wan lont to the allomments by tho intersparestag among thre more doliosatertintrd buwres of
 matil they shone as if varnishan: armen
 brmad pink ribhoms, amb phatos wit ran

pri canclelabra, linling tapers, shaded with silver and white silk shades, added the finishing touch to the table.'

The werk was done by S. Feast \& Sons, which firm now has a stand for the sale of flowers in the Belvedere.
S. B.

Rubber Bands to Fasten Violet Bunches.
I have never seen anything in the Americin Florist from retailers about using rubber bands to fasten violets on the lanlies' fur boas. I use them, and they never injure the fur as would a lin. Foses and carnations can be held in place in the same way, and the fur "overs nu the fand.
S.

\section*{New York. \\ THE Mathet}

The market continues to drag along and is entirely without tone. Produce is light, but the demand for it is a great deal lighter, so that cven with a more than ordinarily short supply cleaning \(u\) i is hard. Carnations are very :lbmant, and large quantities are on their last legs in the ice boxes. The weather has been such that neither carnations nor violets clean out through the channel of the street merchant, and the first fine day will see some great muloading in these lines. Orchids are selling a little better, that is cattleyas are, but white orchins seem to be stayers. There is plenty of everything all round, and on the whole not much change in priess. American Beanty roses have rearhed the \(\$ 75\) mark, and a chance sale has been made at \(\$ 100\). Other roses elean up fairly well at quoted prives. Bulbons stock gees fairly well, hat prices bave retired somewhat. Good pink varieties can be had for 2.5 cents per bunch. Daffodils are selling at three bunches for \(\$ 1.00\). Everyloody is anxious for better weather and it is conceded that there can be little improvement in business until the weather changes for the good.

Market, February 8.-The market is weaker in tone to-day, with demand unimproved. Carnations are extremely plentiful and selling slowly at \(\$ 1\) and upward for good stock.
rlorists ' club b.inquet.
The annual banquet of the Florists' Club was held on Saturday evening at the St. Denis hotel, Febrnary t, with an attendanme of suenty members and gnests, almost twire as many as at last vear's hanquet. The guests asscmbled carly and sat down to the tables promptly at right o elock. The floral decorations were quite lavish in quandity, and were skilfully arranged in a very simple manner. C. W. Ward, Quecres, X. Y', sont a nier collection of his new spmelling rarnations, as well as somm of his butter known sorts, inclun ing the new reimson, kohort Craig. Alex. .I. (imtman furnisher a liberal vasw of the nuw wimson warnation, Vie tory, ind olohn F. 11 ainm of lyethtehem, ['a., mald : nise display with his new -rimsor ramalion. Jolm N. May of summit. N. .I., suppliol the new pink rose, IVMlasley, in gencous quantity, and liger \& Iturrell of the same place fablum a marnificent collowtion ot

cinsumption of tha viants liegan with axallont masic from a string
orchestra, and zest to the appetite between courses was maintained by addresses by several of the members, the subjects being light and of the "reasting"' order. President Traendly, who was suftering from a bad cold, appointed Walter F. Sheridan toastmaster, who ably flled the duties of the position. Patrick O'Mara said some very nice things about the club and told a few stories which were well recerved. J. A. Shaw, Vm. J. Stewart, Alex S. Burns, Chas. Weathered, John G. Esler, J. Birnie and Robt. Berry all did a little in the oratorical line and Alex Wallace sang a good song.

After a hearty vote of thanks to the dinner committee was passed, the remainder of the entertaimment was carried ont by professional talent, the choruses to the songs being printed and copies distributed. The company broke up shortly before midnight. At an early stage in the proceedings the toastmaster read a telegram jnst received from the west announcing that the boom for F. H. Traendly for next presi dent of the Society of American Flor ists was favorably received in the west. notes.
A casket cover of violets and gardenias was furnished by L. Hart, the Madison avenue florist, for the casket of Frank Croker, son of the one time New York nolitical chief, whose death resulted from an automobile accident at Ormond Beach, Fla., and whose funeral was held on Friday, February 3.

John Seligman and Adam A. Trepel formerly with Alex J. Guttman, started in the wholesale cut flower business at 56 W . Twenty-sixth street on Monday last. Both young men have had many years of experience in the trade and shonld do well. The firm name is Seligman \& Trepel.

Otto Grundmann, Secaucus, N. J., has incorporated his business, with a capital of \(\$ 90,000\) and a general mursery business classification. The incorpora tors are Herman Grunderman and Wilhelm Reusch, New York City, and Otto Grundmann, Secancus, N. J.

The Long Island growers who bring in produce to the early markets are greatly incensed over the new passenger rates put in force on the Long Island railroad. Commutation rates were raised from thirty to fifty per cent.

Carnation night at the Florists' Club, February 13, will be particularly interesting. Some fine exhibits will be staged, and as the same night is ladies night the attemiance shonld be phenomenal.
J. A. Foley, N. Lecakes \& Company's bookkecper and manager of their cut flower lepartment, was married Jannary 22 , to Miss Buttermaei of Newark, N. J.

Alex .T. Gntman shipped some Vic tory carnations this week to the St Louis, Pittsburer and Philadelphia Florists' Clulis.

\section*{Chicago.}
the maliker.
The market shows little change from the conrlitions of last week. American Reanty roses are next to impossible to secure, and the grewer who is in with any kimil of a cut is fortunate. Prices have taken another slight advance and unw range from \(\$ 7\) down to \(\$ 1.50\) for short stems. The quality is not up to the midwinter standari, notwithstanding, bowever, there is a good demand.

Teas are keeping up in fair supply, and the quality of all stock is of a good order. Carnations have dropped a notch in price and the quotations now read from \(\$ 1.50\) for the poorest to \(\$ 4\) and \(\$ 5\) for the fancies. White continue in strong demand, and, in fact, everything is well taken care of by the buyers, and little stock remains in the ice boxes after the day's business is over. Bull, ons stock is holding a consistent demand. it being a good substitute for the scarce roses. Paper White narcissns and Dutch hyacinths have been goor sellers, and the quality of this stock amply deserves its popularity. Daffodils and colored tnlips are seen in variety. Green goods have been holding up to good prices, and the demand has not lagged for some time. Ferns, the best, still stay around the \(\$ 3\) mark. Local retail trade has been somewhat quict owing to the severe winter weather, which varies from Aretic cold to milder temperatures, accompanied by heary blizzards and snow.
notes of the trade.
Fire in the greenhouse of Philip \(P\). and Charles Smith, at Northwestern and Morse avennes, this week caused a loss of severa! thousand dollars. The boiler room, in which the fire started, was wrecked, and Albert and Jen Jensen, growers, who slept in adjoining build ings, uarrowly escaped with their lives. The loss is partly covered by insurance.

A fire on the morning of Fehruary caused a loss of several hundred dollars in the retail establishment of Johm Man gel, corner of Wabash avenue and Monroe street. The blaze started in the bulb and plant room and was caused by the crossing of electric light wires.

Bowling matters in Florists' Clab cir cles have been quiet. It is expected, however, that during the present month the enthusiasts will get together and stir things up. The St. Lomis convention stunt must be duplicated at Wash ington.
J. A. Budlong is fortunate to have good American Beauty roses at present in fair supply. His Bridesmand are worthy of special note, having heary stems an! good color.
C. W. Ward, who attended the meeting of the American Breeders' Association at Champaign, left for Michigan points Fehruary 14.

Wietor Prothers say that the weather has been against cuttiug shipling, lut notwithstanding, the season has opened anspieiously.

Charles Mekellar reports an increased call for cut orehids. Cattleyas from the east are of exeeptionally goon quality.

The condition of Mrs Taponard Kill. who has been scriously ill for several weeks, is reported slightly imporvert.

Sinner Brothers lave a larer housp devoted to nareissus and hyaninthis this year and are having great sumess.

Benthey-Coatsworth Company has considerably enlarged and improved the office, at 51 Wabash avemue.

White lilac in large suplly is again being received by A. L. Ramdall Company.

George Wienhoeber sailed from New York for Naples Fehruary 万.

\section*{Baltimore.}
mairet hariouses.
The cut flower trale save evidmees last week of improvement, :mel thern was some change for the hetter in the quality of the shipments. Roses


A NEW ENGLAND CHURCH DECORATION.
(B) C. W. Sibley. Athul, Mass.)
are of better color, texture and stem, but American Beauty are still in very short supply in the better grades. Carnations are hecominu more ahumdant. We have had another spell of the meanest kind of wintry experience, snows and sleets and zero temperatures. With more than twenty snow storms, the roads impussable, the harbor atmost -hosed, raibrom traffe disotganizel, and the only thing mally voring homer mal bills, the winter has been rory serare. The prodretion of flome ms has been largely decreased, the *oll at misht buins intenso while a hare froportion of the days haw hem fomes. Sirvoral days this wralk shing ments of wat fowera rawhed their mesti. nation hally frozen,
lattimorr mataratod this work its first amixprens ot the eqeat fire. The rewomstrmetion atul rehabilitation of the homat district sues an, if not rapidly, stradily and on lines which show that in ewreg diredion thre will he vast improvemonts over the destroyed semtion. The widening of streets, opening up uf new thoroughfares, the character of the erected buildings, show that the rastoral city will lie far more beantifinl. dignifiod and conrenient than the ad. Many of the warebouses are al radey nepupied and the tidn of bmsi-
ness is goincr hack to its old channels. The improvement of the docks has not yet been liegm, but when this great work is completod, with the additional provisiou made for acommodating her commerer, Baltimore will be indeed a new and far more modern cite.

The new conservatory at Patterson park has reached completion; so far as construction and glazinus aro comcerned, and now only the installation of the leating apparatus remaine to bu dons. The strueture. which was put up umber montemet by the lome id Purnham Company is rommodions ant bushern fin
 thosign, and apparatly woll hexigmat for the growih and lisplay ot pants.

Nifrs, Jirte-Th grembonses of ther Wichagan 'inatial lanimond Commany haw hom rommilt an a seale that dombles thpit "apacits

Monenstury, N. J.-Tha tine eometry
 Nommants Hoights. Mmetalf mile from this city, was hutronl to the sround Fehruary : Phe troumds and horti-
 werr vory clatmata, dames liraser being上ativner.

\title{
TTHE AMEBICAN FFLORIST
}

\section*{THENTIETH SEAR}

Subscription, \(\$ 1.00\) a year. To Europe, SQ.00. Subscriptions accepted only from those in the trade.
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The advertising Department of the American lorist is for florists, seedsmen and nurserymen ad dealers in wares pertaining to those linesonly. Orders lorless than one-hall inch space not accepted. Advertisements must reach us by Wednesday to ecure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chloago.
When sending us change of address, always send he old address at the same time

We have received photographs showing a house and vase of unnamed carnations with nothing to indicate the name or address of the sender. The sender will oblige by forwarding partienlars.
The American Peony Society will have a conference and grand exhibition at Chicago abort June 15. J. B. Deamud, 51 Wabash avenue, Chicago, has been selected as manager of the exhibition, the exact date of which will be announced later.

The preliminary prospectus of the Country Calendar, first issue to appear in May, published by the Review of Reviews Book Co., New York, and printed by J. Horace McFarland, is at hand. It is fully up to that gentleman's well known work as typified in Country Life in America, while the specimen articles seem practical and adapted to the needs of proprietors of suburban homes and country estates aud to lovers of nature generally

\section*{That Misfit Glass Tariff.}

Ed. Amehican Florist:-
While a strong believer in the principle of a protective tariff and thoroughly convinced that to this principle is largely due the wonderful development of manufacturing interests in this country, I do not believe in a tariff after an industry is developed and able to coms. pete in the world's market without it.
The present tariff on glass is no longer protective but is a clean steal, no longer called for or warranted. It is admitted by many well posted glass men that the danger of breakage and expense of shipment from Europe creates all the favorable difference necessary for the American manufacturers
W. N. Rund.

\section*{Ferns and Geraniums.}

Lid. Am. Florist:-Will Beston and Pierson ferus grow in a strong light without sun and what iemperature shoult lim maintained to grow successfiully? To root geraniums, how hot should the sand be in the cutting bench, which is 35 feet long? How much 11/2inch ripe will be required under the bench, which is 3 feet high and as many wide anfl boarded around close to tho ground?
C. E. B.

I do not quite understand what is meant in the first question. Boston
and Pierson ferns will grow in a strong light without sun, but they would grow very much better and would make better plants if they are grown in the full sun during the whole year, with the exception of the very brightest days in the summer time. The night temperature that would suit them best in the winter season would be from \(60^{\circ}\) to \(65^{\circ}\) with a rise of \(10^{\circ}\) in the daytime.

Geraniums are not at all particular about the heat of the sand in the cut ting bench. They will root in a temperature of \(60^{\circ}\) or less. To have sturdy plants of geraniums the temperature should not be higher than \(60^{\circ}\), with an atmospheric temperature of \(54^{\circ}\) to \(56^{\circ}\). If the temperatures are higher than those given they should not remain longer thereiu than can possibly be helped. It is the sturdy short plants that attract the eyes of the customer and which sell the most readily. Two \(11 / 2\)-inch pipes would give a higher temperature than is absolutely necessary. There is no real necessity for enclos ing the propagating bed by boards.
E. L.

\section*{Caution to Cut Flower Shippers.}

Ed, Amehican Flohist:-
Numerous eastern shipments of violets and other stock have arrived in Chicago during the past few days in a badly frozen condition. This was largely owing to the fact that packages were insufficiently wrapped, and if we may suggest it, it might be a good thing for you to publish this fact, with a caution to shippers to take more pains with regard to wrapping packages bet ter for western shipment cluring the remainder of the winter season.
E. F. Winterson Co

\section*{California Carnation Cuttings.}

Ed. Amehican Flomist:-
In answer to the comments of C . W. Crouch in your issue of February 4, I would like to state that we purchased from a California firm rooted cuttings of Carnations Estelle, Crane and Enchantress. The last named rooted 100 per cent. Estelle and Crane, ninety per cent. The cuttings reached us in fine shape and have made good. healthy plants. I think if Mr. Crouch would keep them watered more than his own stock they will root all right. We sprayed ours three or four times per day in bright weather. They were fully exposed to the sun with no shading whatever. We expect to order mere stock from California for next season
Bryan, O. C. E. Wonsetler.
[We shall be pleased to have some details of the experiences of others with California carnation cuttings. Ed.]

\section*{American Carnation Society.}
derariment of plant registration.
Lizzie McKéey, registered by M Winandy, Chicago, Ill.; color, scarlet; size three inches in diameter, length of stem, eighteen to twenty inches; strong and erect.

Coral, registered by the Indianapolis Flower \& Plant Company, Indianapolis, Ind.; color, peach blossom, very bright and showy; size, three and one-half inches; slightly fringed, very full, good strong calyx; vigorous growth and con imuous bloomer

Allspice, color white, heavily striped
with red, and petals edged with red; size, three and one-half inches; very full, heavily built, and unusually fragrant; very prolific, strong, quick, continuous grower.

Candace, color, pink, shade brighter than Lawson; size, three and one-quarter inches; very round, well formed flower; an early and extremely heavy producer throughout the season and quick grower.

Albert M. Herr, Sec'y.

\section*{French Horticultural Society of London.}
M. Philippe de Vilmorin presided at the sixteenth anniversary banquet of the above society held January 14 at the Cafe Royal, London, England. The society has done much to increase good feeling between English and French gardeners, and finds situations for the young gardeners of both nations who wish to go into each other's country and learn the language. A large and brilliant gathering was the result. The National Chrysanthemum Society of England was present in full force, there being many of its officers and committee men present. In these days of the entente cordiale it would be well for other but more exclusive English horticultural societies to follow suit. Anything and everything that tends to bring the people of England and France into closer and more friendly inter course cannot fail to be productive of beneficial results.
P.

\section*{National Horticultural Council.}

At the conference of horticulturists held at St. Louis in connection with the World's Fair flower show last November it was suggested that a National Horticultural Council would be of immense utility and Professor Trelease, of the Missouri Botanic Garden, was charged with the duty of appointing a committee for preliminary organization. This committee is now announced as follows: Professor L. H. Bailey, of Cornell University, Ithaca N. Y.; J. H. Hale, president of the American Pomological Society, South Glastonbury, Conn.; H. C. Irish, of the Missouri Botanic Garden, St. Louis, Mo.; J. Horace McFarland, president of the American Civic Association, Har risburg, Pa.; J. C. Vaughan, president of the Society of American Florists, Chicago; Professor Samuel B. Green Agricultural Experiment Station, St. Paul, Minn.; Professor L. R. Taft, Agri cultural College, Mich.

\section*{Meetings Next Week.}

Baltimore, Md.-Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, Monday, February 13, at \(8 \mathrm{p} . \mathrm{m}\).

Boston, Mass.-Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, Saturday, February 18, at 11 a. m. Lecture on "Bac teria as Fertilizers,' by Dr. George T Moore, illustrated by stereopticon.

Buffalo, N. Y.-Buffalo Florists' Club 383 Ellicott street, Tuesday, February 14, at \(8 \mathrm{p} . \mathrm{m}\).

Cleveland, O.-Florists' Club, Monday, February 13, carnation exhibition and smoker.

Detroit, Mich. - Detroit Florists Club, Contie building, Farran and Gra tiot avenues, Wednesday, February 15 at \(8 \mathrm{p} . \mathrm{m}\).

Manchester, Mass.-North Shore Hor ticultural Society, Friday, February 17.

New York. - New York Florists' Club Grand Opera House building, Eighth avenue and Twenty-third street, Monday, February 13, at 7:30 p. m.

Oceanic, N. J.-Monmouth County Horticultural Society, Friday, February 17.

Toronto, Ont.-Canadian Horticul tural Society, St. Joseph's hall, Saturday, February 16, annual carnation exhibition.

Utica, N. Y.-Utica Florists' Club Maemnerchor hall, Thursday, Fcbruary 16, at \(8 \mathrm{p} . \mathrm{m}\)., annual carnation meeting.

Worcester, Mass.-Worcester County Horticultural Society, Horticultural Hall, Thursday, February 16, at 2:30 p. m.

\section*{Trade Notes.}
L. G. Colyn, formerly with Van Zanten Brothers has entered into partnership with Jac. Van der Gugten under the style of Van der Gugten \& Colyn at Katwyk a Rya, Holland.

A vase of excellent roses is illustrated in the Colonist of Victoria, B. C., of January 8, the flowers having been picked in Col. Gregory's garden, January 1.

The New York World of January 15 has a conspicuous illustrated notice of F. R. Pierson and his new Variegated Lawson carnation. carnation.

The first number of the new Garden Magazine is out, and like many of its predecessors in the same line, starts off well.

\section*{Odd Items.}

Elizabeth Duse, the daughter and only child of Mme. Eleanor Duse, the Italian tragedian, has entered an Eng lish college devoted to the study of farming and horticulture.

Miss Van Wart, of London, Eng., has American Beauty roses sent over by every steamer, packed in ice, and her pretty house in Mayfair is always full of them.

The German empress has a passion for flowers, but has only recently turned her attention to orchid growing.

A Scotch seedsman has instituted a cooking test for potatoes, taking his samples from various districts.

\section*{Boston.}

Market condrtions
Florists, both retail and wholesale, are glad that the month of January is past. It has been without exception the hardest month during the past three or four years. The principal cause for this is the period of excessively cold and stormy weather, which has kept the general public indoors. The prices of roses, carnations and buibous stock have remained about the same as those of the previous week. Violets have dropped in price as a result of the cold weather and oversupply, to 25 cents per 100 .

\section*{Notes.}

The Boston Co-operative Flower Growers' Association has recently leased a number of new stalls to out-of town florists.

The event of the week is the exhibi tion held on Saturday at Horticultural Hall. The rivalry between the two markets has hrought out a large list of
entries, as both markets are offering a series of eight prizes each.
H. P.S.

\section*{Advertising Gets Results.}

Am. Florist Co:- It gives us pleasure to say that each year we have traced business resulting from our advertisement in the American Florist, this being our second year advertising in your paper. Our contract for the year with you ends soon and we expect to renew the same for another year

Albany Steam Trap Company.

\section*{SITUATIONS, WANTS, FOR SALE. One Cent Per Word.}

\section*{Cash with Adv.}

Plant Advs. NOT admilted under this head.
Every paid subscriber to the American Floniat for the year 1905 is entitled to s fiverline want DV. (situations only) free to be used at any time duriag the year.

Sltuation Wantod - By a young man, with practical exparience iacut fowerssnd pot plants. Best of references. Address

Box 154 , csre Americsn Florist.
Situation Wantod-By a forist, Germen, single, middie aged, good esperience insll depsrtment pot plsats a specislty. Ralerences. Address

Box 138. cara Amerinsn Florist.
Situation Wanted-Grower's sssistant, youn man with some experience incut frers sad gen eral stock. Address

Sloux Fslls, South Dakot
Situatlon Wantod-By s first-olsss licensed foreman; tbe best of references for ability snd sobriety, sged 30 yesrs. Address

Geo. E. Buxton, Nsshus, N. H.
Stivalion Wentod-By German, 33, io retail forist store; lifeexperience; decorstor, desigder etc. Able to take ohsrge. Best refereace. Lsst position, 3 yesrs. Address \({ }^{\text {E, Box 245. Spencer, Mass. }}\)

Situetion Warted-By forist with ten years experience in Besuties, tess, carnstions, 'mums, violets, palms, ferns and genersl stock. Germsn aingle, good references. Address

Box 153, care American Florist.
Situation Wantod-As head gardener, well up a all its branches, Al orchid grower, msiried, no amily, naturalized, Englisb, sged 32. Address witb particulars

Box 147, csre Americsn Florist.
Situallon Wentod-lby a Germsn forist, in a large commercial place as manager or foreman; o years' experience in growing cut fowers, carbations and roses my specislty. Address

Box 148, cesre Americsn Florist.
Situation Wantod-As foremse on good sized commercial place wbere growing roses for cut llowers is made a specialty. Rafer to Alex. Montcomery, Wabsa Rose Conservatories, Natick Msss, Address

Box 150, csre Americsn Florist. Situallon Wanted-By young man, German, 25
yeurs of age, thoroughly experienced with indoor yeurs of sge, thoroughly experienced with indoor place by March 1: can show good referenoe from present place. Address
L. RoLle, Lake Forest, 111.

Situatlon Wented-ly first-class fiorist, Ger msn, single, 36 yesrs of age, grower of roses, cstnations, 'mums, violets, bulbs and all kinds of beddlag plents, also a good propsgstor; sble to take churge. Address

Box 146, care Americsn Florist.
Situation Wanted-As gsidaner on gentleman's stste, thoroughly experianced in roses carna tions, 'mnms, violets, peaches, grspes aud strawberrias under glass, iruit and vegetable gardon, swns; age 35, msiried, best references. Addres \(J\) C, care Vaughan's Seed Store, Now York City.

Shuallon Wantod-In the viclaity of New Yor or littsburg, as grower snd mansger in first class commercis! estsblishment where good wage are paid; thoroughly experieuced in propsgating and growing of roses, carastions, \({ }^{1}\) mums sud the generalline of cut flowers snd pot plants; best of references, sober and reliabla, married, aged 32. Flonist, 176 Lexington Are., New Xork City.

\footnotetext{
Halp Wanted-An A No, 1 rosegrower. Addres G Van psrticulsr
G. Van Bochove \& Bro., Kslamaroo, Mich.
}

Holp Wanted-A good sober industrious workge luTeman tast csn grow good roses, csinations mums sud genersl stock; \(\$ 60\) per monta. Sead references. Address

Thomas Salyeson, Petersburg. Ill.
Holp Wanted-Msn thorougbly familiar with Gowing decorative plents comon reislly, who is capital preferred Address Wm. C. Snith S

Holp Wanted-Singla msn for privste plsce, no graulhouse, \(\$ 40\) to \(\$ 45\) per montb, a good place and permaneat for the right man. For iaformation address
Chas. Uffler, Govenstown, Beltimore, Md.

Holp Wanted-Working foreman, siogle, to mansge colieqe grounds with ong greenhouse and fre men belp: 850 per month, permsnent position for the rigbt man. Address

Chas. Uffler, Govaostown, Baltimore, Md.
Holp Wanted-Young man, flrst-class designer sad decorator, one who is experienced in store Work, must be up-to-duta, sober, industrious and gience sud salsry espected, purmsnent place Address P. O. Box 1884, Paterson, N.

Wanlod-To purchsse a llower store. State all psrticulars in first letter. Address

Box 149, csit americsn Florist.
Wonted-Trade firms will oblige by seadiag oples of their latest wholesale price lints.
N. H. Padgett, 18 Wstson St., Unsdills, N. Y.

Wented-Stast sgent cslliog regulsrly upon the trade to take up the sale of lily of the valley pips lor a reliable German grower. Address

Box 145, care American Florist.
Wanted-By March 1, sssistsat gsrdener on private plsce. Eaglish or Scotch preferred, wages and experience witb referances.
For Salo-Ballard's Greenhouse. \$750,
For Salo-Chesp, 100 delivary wagon, good for cliy or country. 50 West 29 h St., New York.

For Ront- 850 per month, five greenhouses, 9,000 square leat of glass. aine and one-half acres of good hround, bouse snd bsra, long lease, \(\$ 1,000\) casn for stock, etc, nesp Chicsgo. Address
Box 52 , csia American Flori

Box 152. care Americen Elorist.
For Sal--Five-acre tract of land, two houses barn snd greenhouse in flourishing town of 4,000 in southwestern part of Ohio. Gaod ohsnce to do nice business. Do competition. Address

For Ront-At Fraderick, Md., greenhouses For Ront - At Fraderick, Noom \(18 \times 60\), \(\otimes\) quipped with No. 8 Furman boiler, sid small bester; large mushroom cellsr, stsble, shout two scres of ground; dwelling for rent in immediste neigaborbood; coal, manure, lshor chesp. city wster; no stock on hand. Rent 800 per annum, half psy sble in sdvance every six months. owner compelled retirement from succ-ssiul
business: principslly vegetsbles under glass snd busiaess: princlpslly vegets \(\begin{aligned} & \text { mushes } \\ & \text { Neow Yor }\end{aligned}\)

Henry Trail, Frederick, Md.

\section*{Foreman Wanted.}

We have 10.005 square feet of glass and 10 seres of ground. Grow esrnations and bedding stock. Went a man capable of managing such s place prottably to take entire oharge. References required. Four-room cottage on tbe plsce. Prefer married man with whom help csi bosrd. Write id full st one stating what wages you

Tbe Stileq Co. Oklshome City

\section*{UNUSUAL OPPORTUNITY.}

For Sale-Greenhouse property, stook and retsi] busidess, consisting of elght gregnhouses snd store, about 92,000 feet of plass, fully stocked and in first-class running order, steam heat, electric lights, etc., situated in wealthiest part of Philsdelphia, riehtin center of a growing population. Doing s first-clsss ratail business. A splendid opportunaty; only \(\$ 3.500\) cash required, remainder can remsin on mortgnge at 5 per cent. To cluse
an astate. Box lit, care American Florist.

\section*{For Sale.}

5,000 feet of glass with store and stock in city of 10,000 , with no competition within 50 miles. A good paying trade. Everything new. Please do not write without you have the cash and mean business. Address

Box 151, care American Florisl.

\section*{Pittsburg.}

Business for the week has pulled up wonderfully and shows a decided tenheney to continue in its present state. Ntock of all kinds is pleutiful, with the uxception of American Beanty roses, which are not iu their usual good con dition. Carnations and spring stock are especially fine and are moving out in good order. During the early part of the week it was impossible to get shipments from the east under twentyfioner to thirty-six hours.

Nicholas J. Ribsam, of McKeesport, has wound ur his retail business and is considering the plan of establishing his Trenton, N. .J., plant in this vicinity.

Lowe \& Jones had several large dexigns for the funeral of the late "'Pittsburg Phil," four of them vary. ins from fire to eight feet in height.

A new wholesale honse is scheduled to open here about the latter part of March.

San Meclements spent sereral days at home with rheumatism last week.

Thos. Clam \& Company will prob ahly move to some other location.

Theodore Beckert is cutting fine sweet peas.
E. L. M.

\section*{Minneapolis.}

Trade for the month of January was quiet, there being no special demand and owing to the extreme cold weather husiness suffered. Mckinley day made : . little extra call in the carnation line, lut not beyond what could be filled. There is at present no surplus in stock, so prices remain rather firm. Tea roses have heen in rood supply. American Beauty are limited and the quality is poor. This will be overcome soon as the growers report good crops coming.

Niss \#. B. Whittet suffered a loss by fire to the extent of \(\$ 600\), fully covered by insmranep; she has resumed business is the damage was confined mostly to the basement.

The New York Florist Store, under the management of J. Ravatzos, reports trade fairly good the past two months.
Wn. Donalison © Comprany, have had a gool month's trate, although the wather has been against them.
Gus Rergstrom, formerly with R. J. Menrenhall, has acerpted a position with Rice Brothers.
Jan Desmond has charge of C. K. Fultom's private greenhonses, at Lake Minnetonka.

\section*{Kansas City, Mo.}

Romerts from the weather Isureau show that Kiansas City has just passed through the culdest Jannary in its his. tory, ama Fobmary hids fair to heat all rewords, as the thermometars have heen registuring from right lot tra below \%ern. The sever" eold has taxed tho smatler growors to kwer ilj the temprature. Acknman lbrothres, vegeta hat growers, report the "utim loss of कम\& Fiouse of lettued through ireezing ( in flower stoek now vary plontiful, hat ahmut Pqual 10 demand. Hany small surial offaits aml consilerable amount (1f fumeral work hists kept the market
 "roatr the domand that some of the tha anmivorsary falling on Sumday and 1 In dicy huing very comi.

Mabh favarable commont was passent

shown here last week by Mr. Hill, Jr.
Trade visitors lave been numerous. Among them were: F. W. Creighton, of Dreer's, Philadelphia; Wm. Hagemann, New York; W. A. Prosser, of Owens, N. I.; Chas. Schwake, of New York; W. A. Ringier, of Chicago
W.

\section*{Newport, R. I.}

We have had a week of severe cold, the mercury touching the zero mark, which is about as cold as it ever gets here. Much business has been impossible. Nevertheless early orders indicate a good season coming for the seedsman. Florists begin to feel that the coming summer will be better than for several years, as many of the most prominent social leaders have been in Europe or elsewhere the past two seasons, which has greatly curtailed the use of floral decorative work for dinners and other social functions. Prices, both wholesale and retail, remain about the same. We quoted some very choice carmations on the avenue that were bringing \(\$ 1.50\) a lozen.

The first meeting for the month of the Newport Mlorticultural Society took place last Wednesday evening. Presidrut James .J. Sullivan was in the chair. Protessor Barlow, of the Rhode Island College of Agriculture, for two hours held the closest attention of all with his illustrated address on "Economic Insects." Following the lecture a Iengthy disenssion of the elm-beetle and San José sealo developed. Interest now centers in the schedule of prizes which the executive committee will present for the approval of the members it the next meeting.

The twenty-fifth anniversary of the Wedding of Mr. amil Nrs. Robert lumnick was observer last Monday erening in the hall of the Ruilders' amil Merchants' Exchange. The reco rations were Ly Ziegler, and consisted of palms, evergreens, and Christmas bells. Mr. anil Mrs. Humnick received many handsome presents, including one from Mr. and Mrs. F'red W. Vanderbilt, to whom Mr. Munnick has been head gardener for many years. Among the many guests from out of town was Thomas Grey, of Thomas J. Grey Company, of Boston.

William B. Scott \& Company report a very good weak; many orders for seeds having already been received, and a good denand for onion sets having depeloned.
F. L. Ziegler has his windows attractively arranged with cinerarias in hoom. lienry Anthony, of Portsmonth, R. 1. was a visitor this week. \(X\).

\section*{Syracuse, N. Y.}

Severcly cold weather and a heavy smw sturn for the past few days has temided to injure lusiness. The dullness of the regular trade, however, has been comberhalanced by at rush of flomeral work. Priess remain the same.
'l'wo novel foral blankets were made by Whearon \& Ilrncle last week for tha llowlett and Danziger funerals. The first was a blanket of smilax frimged with Popror White nareissus, the smilax being sholded with violets. In Whe second the violets were omitted. As many as twenty wreaths were made by his firm, many of them heing galax whth violets or earnations on the side.

The demand for galax wreaths is increasing.

The death of Charles H. Bechstedt, of Oswego, Tuesday, February removes one of the best known florists of the state. Ite had been in poor health. for four years. He was born in Germany fifty-nine years ago and came to Oswego with his parents when but five years of age. Abont fifteen years ago he engaged in the florist lusiness and had been very successful. He was a soldier in the civil war. He was prominent in politics, having been alderman of the sixth ward.
P. R. Quinlan \& Company have a fine display of roses at their retail store. Some excellent GoIden Gate and Ivory roses have been received from the Valley range with 21 -foot stems.
Bard \& Davis are cutting a large quantity of roses and carnations. The Host and Bride are especially worthy of mention.
Thomas Quigley is having good success with his carnations. A. J. B.

\section*{Orange, N. J.}

The tenth annual installation dinner of the New Jersey Floricultural Societrwas held February 3. The evening opened with the presentation of twelve silver cups by William Runkle, on his own and otber donors' behalf, won in the competitive shows of last season. A novelty in this direction was an array of full size photographs of the floral prize winners which covered the walls of the banquet hall. It was also the initial night in this year's competition for more silver cups and the floral display was large. Peter Duff had the center of the long table with a vase of hybrid amaryllis and another of Euphorbia jacquinisflora. There were carnations from Wm. Bennett, Wm. Reid, D. Kindsgrab, anit Guttman \& Weber's Victory, sweet peas from Charles Ashmead and the Hale Floral Company; potted cyclamens from George von Qualen; orchids from Edwin Thomas and Arthur Bodwell, and cut orchid hlooms from Lager \(\mathbb{\&}\) Hurrell. The offering of a special orchid prize will lonbtless make them a feature of each month's exhibition.

Addresses were made by W. J. Stewart, J. A. Shaw and S. 'S. Butterfield, Mrs. Berry of Kelser Company, Neil Campbell, of Vaughan's Sced Store, C. Hl. Totty, Harry O. May, Wm. Duckham and others. J. B. D.

\section*{Columbus, 0 .}

The sixtieth anniversury of the Columbus HorticnItural Society will be celcbrated at the regular annal meeting next December, and meetings will be held in Jnne and October to make arrangements for the important event.

Honorary members wre elected Jannary \(2 s\) as follows: William Miller, णttawa rounty; W. W. Farnsworth, Lucas county; F. C. Vergon, Delaware county.

Font Thomas, Ky.-Richard Schmidt has filed suit for a dissolution of the partnership of Miller \(\&\) schmidt.

Chanlestox, W. Va.-The Charleston Cut Flower \& Plant Company, II. F. Winter, manager, will add 10,000 feet of glass this season. The Foley Manufacturing Company, Chicago, has the contract for the material.

\section*{Your Money's Worth.}

You want your money's worth always and all ways, of course. Are you getting it? Think it over. Our motto is, "We serve ourselves best by serving our customers better."

You can be sure of getting what you want, when you want it at right prices here; or you can be sure it can't be had.

That's a good, strong statement to make; we make it stronger by making good on it every way, every day. "Your money's worth always; more probably; never possibly less."

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Write for our regular issued price list; judge for yourself. And remember we grow our own flowers in our own greenhouses and sell them only to the shipping trade.

\section*{Weiland \& Risch,}

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\section*{Northern Star Potato.}

Having grown several acres of this wonderful Potato last season, when it sold at \(\$ 1000.00\) a ton, we can supply the true stock, in especially prepared, iron bound, well ventilated cases of 100 lbs . net, F. O. B. Southampton, \(\$ 3.00\) per case.
Brinkworth \& Sons, Ltd. Polalo Growers and Experts.
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Silver Medal Massachuselts Horticultural Society 1904. Gold Medals and Firs1-Class Certificates awarded at principal European Exhibitions.
Tboussads of glowing carmine blossome produced on a single bush. Seeds in original packets from seedsmen throughout the United States. 25 cente par packet.
WHOLRGALE AGENTG FOR THE UNITED gTATEG: henry a. dreer, Chestnut St., Philadelphia, Pa. J. M. Thorburn. Cortlandl Sl., New York. VAUGHAN'S SEED STORE. Chicago and New York.

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The latest and best book now on the market for those interested in greenhouse heating and ventilsting. This book has juit been revised and now containg over 125 pages of valuable information, fully fllustrated with cuts and working plans. If you intend to orerbsul your heating apparatus, Johnson's Manual will tell you how to do it with the best results. If your hoiler consumes too
much fuel, Johnson's Manual treats on h j w mucb fuel, Johnson's Manual treats on \(h \supset w\) to make your plant economics in that respect. Mr. J. W. Johnson the Author, is a practi-
csl steam sid hot-water heating engineer of csi steam snd hot-water heatingengineer of postpaid to all points in U. S. and Cauada ppon receipt of \(\$ 1.00\).

AMERICAN FLORIST COMPANY, Chicago.

\section*{Would Not Lose a Number.}

American Florist Co.:-Enclosed you will find \(\$ 1\) for another year's subscription to the American Florist. We would not like to lose a number as we can always find pointers in your paper which we highly appreciate.

Frank Scholl.

\section*{CARL BECK \& CO. \\ SEED MERCHANTS AND SEED GROWERS. QUEDLINBURG, (Germanv.) Mangel Wurzel and Sugar Beet Seeds A SPECIALTY. \\ We offer an immense stock of all seeds at moderate prices, to the trade only. Genersl Catalogues free on applicatlon. English Correspondence. SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND. \\ _-Ieiogram Address: SAMENEXPORT, Quadlinburg.-}

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Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS. GLADIOLUS, PAEONIAS, Itc., EIC. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPCR WHIE GR., ETC. Ask quotations from our traveler

\section*{MR. G. HYLKEMA,}

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Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.
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GROWN BY MR. E. NEUBERT, WANDSBECK, GERMANY.

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Moller's Deutsche Gartner Zeltang is published weekly and richly illustrated. Subscription \(\$ 3.00\) per snnum, lncluding postage. Ssmple copie iree.
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WHOLESALE CUT FLOWERS．
＿CURRENT PRICES．SUBJECT TO CHANGE．

\section*{AMERICAN BEAUTY．}

\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Milwaleee，Feb． 9.} \\
\hline Roses，Beanty，lodg，per doz． & \\
\hline ＂med． & \(2.00 @ 8.00\) \\
\hline ＂＂short＂ & \\
\hline ＂Liberty． & 5．00＠12．00 \\
\hline ＂Chatenay & ．4．00\％3200 \\
\hline ＂Bride，Bridesmaid & ．3．00＠1000 \\
\hline ＂Meteor，Golden Gate & ．． 30001000 \\
\hline n）Perle．．．．．．．．．．．．．．． & ．3．000 800 \\
\hline Cardstions． & 2．00＠ 400 \\
\hline Smilax． & \(1250 \bigcirc 15.00\) \\
\hline Asparagus spra & ．2．00＠300 \\
\hline Valley．．．．．．．． & 300 \\
\hline Adiantum & ． 1.00 m 1.50 \\
\hline Violets & ． 5001.011 \\
\hline Callas． & ． \(1250 @ 15.00\) \\
\hline Romade，Paper Whites & ．．．． 2001300 \\
\hline Tulips．． & 3000400 \\
\hline Harrisii & 10．00＠15．00 \\
\hline \multicolumn{2}{|l|}{Pittsburg，Feb． 9.} \\
\hline \multicolumn{2}{|l|}{Roses，Bearty，speclals．．．．．．．．．．．． \(5^{\text {n }}\) ．00＠ 60.00} \\
\hline extras． & \(3000 \bigcirc 4000\) \\
\hline \(" \quad " \quad\) No． 1 & ． 50002000 \\
\hline ＂\("\) ordinary & 80001000 \\
\hline ＂Bride，Brldesmaid & ．300＠15 0 \\
\hline ＂Meteor & ． \(600 \% 1 \cdots .00\) \\
\hline ＂Liberties & \(8.10 \mathrm{mby}^{2} 00\) \\
\hline ＂Perle，Chatedry & ． 300 （13） 800 \\
\hline Carnationa．． & －1．015300 \\
\hline Lily of the valley & 3．00\％ 400 \\
\hline Smilsr．．．．．． & 12．8001500 \\
\hline Asparagus，strlngs．． & \(2500 \times 50\)－ 0 \\
\hline Asparagus Sprengeri & 2．00＠3．00 \\
\hline Lilies ．．． & ． 12001800 \\
\hline Adiantam & ． 1.400 \\
\hline Viclets & \\
\hline \multicolumn{2}{|l|}{Cincinnati，Feb． 9.} \\
\hline \multicolumn{2}{|l|}{Roses，Besuty，per doz．．．．1．00＠4．c0} \\
\hline ＂Bride，Bridesmaid．． & ．．． 400010.00 \\
\hline ＊Liberty & ．．8．00®（1） 1500 \\
\hline ＂Meteor，Golden Gate & ．．8．00＠1200 \\
\hline Carastions ．．．．．．．． & ． 2.00 mm 60 \\
\hline Li＇y of the valley & ．3．00＠ 400 \\
\hline Asparagus． & \(\leqslant 000\) \\
\hline Smilax． & ，10．00＠12．50 \\
\hline adiantum & 1.00 （1） 1.50 \\
\hline \multicolumn{2}{|l|}{Cbllas．．．．．．．．．．．．．．．．．．．．．．．．．10．00＠12．50} \\
\hline \multicolumn{2}{|l|}{Asparagus Plumosus and Sprengeri in bunches．．．．．．．．25c per bunch} \\
\hline Harrisil ．．．．．．．．．．．．．．．．．．．．．． & ． 15.00 \\
\hline Kombus， narcissus & 300 \\
\hline Violets． & ．75＠1．00 \\
\hline
\end{tabular}

\section*{St．Louis，Feb． 9.}
oses，Besuty，loag stem．．．． 40006.00 medium stem 20033.00 ＂＂short stem．．．．50＠1．50 1.50 ． 10.00 Golden Gate．．．．．．．．．．．．．．．． 5.00010 .00
Kaiseria
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Carabtlons．．． \(5.00+10.0^{\prime} 0\) milsx．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 400
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Ferns，Plumosus．．．．．．．．．．．．．．．．．．．25．006 0.00
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Lily of the valley．．．．．．．．．．．．．．．．．．．．． 3.01 （r） 4.00
2.00 亿ii 300
jallag．
\(22.50 \div 15.00\)
.\(\quad 3.00\)
Cleveland，Feb． 9
Roses，Beauty，per doz．．．．．．． 1.00 （1） 6.00 Bride，Bridesmaid
6.00
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Smilax．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 10.00 б́ 15.00

Galax Sprengeri．．．．．．．．．．．．．．．．．．． 1 ．（1048， 2.00
Comman perns

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.5001 ins 1.00 \\
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Paper Whites
Valley．
\(3.000_{3} 400\) ．．．．．．．．．．．． 3.00 co 400

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\section*{Toronto.}

MARKET CONDITIONS.
Trade has picked up considerably the past week and with some it is even better than a year ago. The weather is decidedly cold. The quality of roses continues to improve and though not plentiful there are enough for ordinary demands. American Beauty show good color but are short on crop. Harrisii and calla lilies are quite plentiful and violets and bulbous stock are in oversupply. Carnations are in heavy supply and of the best quality but are sold. cheap to keep them moving. The stores show a variety of nicely blooming plants. Rhododendrons, lilac, azaleas and plenty of cyclamens are to be had. Lily of the valley from this season's crop is very good and throwing fairly good foliage. There have been a number of good decorations, Dunlop having artistically decorated the Temple building for the St. Andrew's ball.
notes.
J. H. Dunlop and \(\widehat{W}\). J. Lawrence returned from Chicago well pleased with the convention. We expect to hear from them at the next club meeting.

Entries for the carnation show February 16 in St. George's hall are coming in fast and stock in this vicinity looks in good shape for it.

Grobba \& Wandrey are cutting large quantities of bulbous stock.
H. G. D.

\section*{Louisville.}

Last week averaged pretty well although there was nothing more doing than was expected. The weather was probably the coldest experienced here this winter. Several suffered by not being able to keep the houses from the frost but none of the losses were very large. Roses of the second and third grades have not been giving much satisfaction, while those of the first grade will do, but are a little high priced. Carnations are continuing good in quality but the heavy demand does not give them much of a chance to make a showing. Violets are coming in in greater quantities with the demand up to expectations. Lily of the valley has become a glut. The quality is unusually good but the slow demand has caused them to become so plentiful. Narcissi and Jaman hyacinths are nearly things of the past, while tulips, Dutch hyacinths, jonquils, etc., can be had in satísfactory quantities. Greens, with the exception of smilax, are very scarce.
J. E. Marret's place is in good shape, but many things have to be neglected owing to the shortage of room. A lot of Crane carnations are in very good condition.

Visitors: Warren Huckleberry, North Vernon, Ind., and Mr. Keur, of C. Keur \& Sons, Hillegom, Hollaul.
lea. Zoeller is to lee congratulated. It is a boy. F . L. S.

Waro, Texas.-The Waco kloral Society held its monthly meeting in
the Lusiness Men's ('lub rooms Fel, ruary 1. It is planued to hold a flower show in connection with the aunual carnival this spriug.

\section*{hadoy Cut dageer and fancy ferris.}


We carry the flpest and most complete line of Decorative Evergreens and Florists' Supplies. Our specialties are DACCER, CREEN CALAX, 81.00 per 1000. Laurel Feslooning. good sad full, bandmade 50 and 60 per yd. Green sad Sphagnum Moss, 81.00 per bbl. Sphagnum Moss, 50c per bag; 5 bags, 2.00 . lvy Leaves, 84.00 per 1000 . Sprengeri, 25 c and 500 per bunch. Asparagus Plumosus, 50c per bunch or striog. Leucolhoe Sprays, 81.00 per \(100 ; 87.50\) per 1000 .
Woil, Cut carry a full line of Florists' Supplies such as Tin
Ribbons, all gizes and colors, All Kiods of Letters, Wire Designs, Cycas Lespes,

stock is of the best quality sin st the most ressonsble rates islease Leaves, Etc., Etc. Our Orders by mail, telephone or telegrapb will recelve our most carefuland prompt attention. price llat. . 'Pe 2018 Min 8 and 11 Provine
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53 W. 28th St., New York.


Market. Speciallies: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and al kinds of Evergreens.
Graso and Bronze Oafza Leaves, 75e per 1000.

\section*{FOR SOUTHERM WILD SMLLAX}
(Whare quallty ls Firat Consideration)
Write, WIre or Phone the Introduoers, Caldwell The Woodsman CO., Evergreen,Ala.


MAIN STORE, 45 W .29 th St., NEW YORK,
BRANCH, 65 W. 28 th St.,
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J. G. LOVEN. Montezuma, N. C.

\section*{Gapleneps' Ghronicie.}

A Weekly Illustrated Journal.

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The GARDENERS' CALRONICLE has beed for over Sixty Yeare the lifadino Journal of Itb class. It has achieved this position because. while specially devoting itself to supplying the daily requirements of gardeners of all classes, the aformation furnished is of such general and perma-
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the subjects of which it treats.
the subjects of which treats. Subscriptions to the United States, 8420 per year. 41 Wellinglon Sl., Covenl Garden, London, England.

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Fanoy or Daggor Forns, 81.25 per 1000 . Galax Briliant Bronze or Green, case of 10,000 . Laurol Footooning sack-made, from the woods. Send us your CHRIS GiAS orders now and we will please you. Branoh Laurol, 350 per large bundle. Southorn wild Smilsx, per 50-1b. case, 85.50 , Laurel Wreatha and Prinooss Plno Wroaths, made all sizes and prices. Prinoes Pine by the lb. and made into roping. Tell us your wata and we will name sou prices.


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25 pound case.
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ALWAYS ON HAND, AND IN ANY QUANTITY.
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Write for prices.

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\section*{DREER'S SPECIAL OFFER}


DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds, Plats, Bulbs, eto., is mailed to all Florists. If you do not bave it at hand please advise us and a copy will be seat at once.

\section*{Azalea Madame Van der Cruyssen.}

As we are not bandling Azaleas for Easter this season we offer a flae lot of this most valuable variety in flne bushy, well budded plants to close out quickly
10 to 12-inch crowns.......... \(\$ 4.50\) Per Doz. \(\$ 3500\) (to 18 -inch crowns.................... 8100 12 to 14 -iach crowas........... \(600 \quad 45.00 \quad 18\) to 20 -inch crowns........................... 2.00 14 to 16-1дch crowns............ \(7.50 \quad 55.00\) 20 to 22-inch crowas....................... 3.00 Outside of the above we have a othing left la Azaleas except a limited lot of mixed varieties in 10 to 12 -inch crowns at \(\$ 4.50\) per dozen; \(\$ 35.00\) per 100 .

Note-The above prices are practlcally the same as those at which we hook import orders, they are made low to move the plants at once, the stock is of good quality, but is limited; speak quickly if you want them.

\section*{Azalea Mollis.}

Aa unusually fine lot of well-budded plats 15 to 18 inches high. A plant that is rapidly gaining favor for early and late forciag; it is prontable stock for the retailer to handle, as it can be grown at a minimum cost for hest a ad lahor. \$4.50 per dozen;

\section*{Deutzias, \(\underset{\text { FORRINc, }}{ }\)}

Strong, shapaly, 2-vear-old fleld-grown plants, suitable for 6 -inch pots Gracilis Rosea. \(\$ 100\) per dozen. 8800 per 100.

\section*{Forcing Rhododendrons.}

For a late Easter will fill a vacaacy where Azaleas cannot be retarded; they are becoming more popular every sessoa; you will find it protitable to try these. We are inches high. \(\$ 900\) per dozea; \(\$ 7000\) per 100 . 20 to 24 inctes high, fine specimens, \(\$ 11.00\) per dozen; \({ }^{\text {s }} 80.00\) per 100.

The Baby Rambler Rose

\section*{MME. NORBERT LEVAVASSEUR.}

The most valuable bedding rose yet lotroduced. A plant which will be in stroog demand for a loag time. We offer good plants suitable to use for stock plants, oaeyear field-grown, suitable for 4 -inch pots, \(\$ 5.00\) per dozen; \(\$ 35.00\) per 100 .

\section*{Primula Veris Superba.}

An excellent plant for forciag for early spriag that meets with ready sales, strong olants 75 ceats per dozen; \(\$ 600\) per 100.

\section*{The Gardeners' Directory.... NEW BOOK, FIRST EDITION.}
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CONVENIENT \\
COMPLETE \\
INVALUABLE \\
THOUSANDS \\
OF \\
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AND \\
ADDRESSES
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THIS book contains complete lists of Gardeners and Estates Employing Gardeners in the United States and Canada, arranged for ready reference by states and post-offices. The gardeners are also arranged alphabetically. The book contains a reliable list conveniently indexed, of the leading Horticultural and Kindred Societies, with the names and addresses of the Secretaries. Price \(\$ 5.00\) postpaid.

AMERICAN FLORIST COMPANY,

\section*{The Seed Trade.}

AMIERICAN SEED TRADE ASSOCIATION.
Chas, N. Pagr, Des Moines, Ia., Pres.; L. L. May, Nit. Pinl, Minn., First Vice-Pres.; Twenty-third annual convention at Alexandria Bay, N. Y., June 20-22, 1905.

Sweet Corn growers are showing anxiety to unload.

Floral Pare, N. Y.-John Lewis Childs and family are now in California.

T'HE Albert Dickinson Seed Company, Chicago, reports spring trade starting in briskly.

Onion sets are higher, red and yellow being quoted around \(\$ 2.75\) to \(\$ 3\), and white scarcer.

Albert Dickinson, of Chicago, has subscribed \(\$ 1,000\) to the Iroquois theatre memorial fund.

Santa Clara, Cal., February 6.The recent heavy rains have so far proved very favorable.

Des Moines, IA.-Mathias Kurtzweil, president of the Iowa Seed Company, who has been very ill since December, is slowly recovering and will be able to return to business in a few weeks.

Visited Chicago: B. Suzuki, of Suzuki \& Iida, New York, returning from Japan; August Rhotert, New York; Robert C. Whitehill, representing Benjamin Hammond, Fishkill, N. Y.; W. H. Mihm, representing J. Bolgiano \& Son, Baltimore, Md.

Another correspondent reporting from Holland expects hyacinth prices, especially of pure white sorts to be higher, while the blues will be the
cheapest sort, as they were last year. This writer says that even with a big crop hyacinths will not exceed the demand and are likely to be a little higher than last year.

\section*{French Bulbs.}

The weather in Southern France so far has been severe, cold and dry. If the drought continues it may shorten the crop of bulbs produced in this section. The rains do not usually begin until April and no one can make intelligent prediction regarding the crop until that time. Blue and rose Romans, also double Romans and narcissi will be lower. Probably there will be a larger crop of white Romans the coming season than last because many of the 11-centimeter stock were not closed out during the fall of 1904. The growers are now much interested in bandling their cut flowers and have nothing to say concerning the next bulb harvest.

\section*{Senators Denounce Free Seeds.}

In the United States senate February 2 , the agricultural appropriation bill being under consideration, Senator Lodge criticised the appropriation of \(\$ 240,000\) for seeds, saying that the seeds distributed were cheap and common, and that the entire provision was a lumbug.
"We are appropriating public money," said Mr. Lodge, "year after year in order to enable us to make gifts to our constituents. We may as well look the truth in the face." He added: "It is a pleasant thing to do; we all like it, but we should not forget that we are making the country pay for it."

Senator Bailey indorsed Mr. Lodge's view, saying there was no more reason why the government should supply
farmers with seeds to plant in their gardens than there would be for supplying then with implements for working them.

Senator Proctor, a member of the committee on agriculture, announced his personal opposition to the distribution of common seeds, but said he had found it impossible to get the committee to strike it out. "It is a humbug," he said, "a cheap chromo, but one that we can't get rid of."
It may be noted that although Senators Lodge and Proctor differ very materially with Senator Bailey in party politics, they are all broad enough to meet on common ground in denouncing this waste of public money.
S. E.

\section*{Boston.}

Thomas F. Galvin furnished the flow. ers and decorations for the FottlerYoung wedding in Dorchester last week. Miss Fottler is the daughter of \(\mathbf{M r}\). Fottler of the well-known firm of Schlegel \& Fottler, seedsmen.

Arthur T. Boddington and Winifred Rolker of New York have been in town the past week.

\section*{New York.}

The interest of C. H. Penn in the firm of W. E. Marshall \& Company, seedsmen, has been purchased by Alfred E. Wheeler, formerly with Weeber \& Don. Mr. Wheeler becomes an active nember of the firm

Wm. Elliott \& Sons contemplate moving from their Dey street establishment about May 1, to more convenient quarters on Fulton street.

Ossining, N. Y.-William J. Johnson, gardener at the Sing Sing prison green houses, died January 20, of paralysis. He was a brother of Warden Johnson of the prison.

\section*{WHOLESALE SEED GROMERS}

Seeds for present requirements ready to shlp. Contract orders for delivery after harvest 1905 are being booked now. Beans, Poas and Gardon Saods. Write for Prices. chicago.

\section*{Alired J. Brown Seed Company WHOLESALE SEED GROWERS.}

Now recognized as one of the Largest Growers of..... Fancy Peas and Beans

For the Wholesale Trade.
- Main Warehouse and Offices:-


\section*{REWor FLOWER SEEDS}

10 PER CENT SPECIAL CASH DISCOUNT. On orders over \(\$ 2.00\) for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.
We are HEADQUARTERS for Creenhouse Grown Seed of ASPARAGUS PLUMOSUS NANUS.
Northern Greenhouse Grown Seed-Per 100 seeds, 750 ; 200 seeds \(11.50 ; 1000\) seeds, 8500 ; 5000 seeds, 婑.50; 10,000 seeds, 42.50 . Price for targer lots on application.

 Imperial Dwarf, white.

Prlacess \(\quad . . . .\).
Princess Victoria Louise, new, besutiful blue and white flowers, plants compact and free-blooming
Alyasum Sweet
Alysum Little Gem.
1b., \(\$ 3.50\)
mpapsle Valtoh. 15
ABPARACUS Plumosus Robustus, new, per 100 seeds, \(\$ 1.00 ; 1000\) seeds, \(\$ 10.00\).
Sprengari, 100 seeds, \(15 \mathrm{c} ; 1,000\) seeds, \(75 \mathrm{c} ; 5,000\) seedt, 83.25.
Write for prices on larger lots on sbove three. Deoumbnes, 100 seeds, \(50 \mathrm{c}: 1,000\) seeds, \(\$ 4\). 0 . Comorent
810.00.

\section*{ASTERS.}

Queen of the Market, Trsde Pkt. \(1 \mathrm{Oz} \mathrm{Oz}_{3}\) White......................lb., \(\$ 5.00 \$ .108 .20\). 8.50 Pink... lb, 500
lb., 6.00 Scarlet lb., 6.00
5.50 Light blue Mark blue.
Tranohins or Somple.
Rose pink
Lavender.
Red....
Purple.
Light blue
Daybresk pin
 Veughan's Upright White ErenohIng.
aughan's Uprighi Pink Branoh-
ing.
Trade Pkt. 100 . 65
Talesm, Albe Parfeota. This is
Balssm............................... 10 . 25 . 70 Eegonis Vernon................................... 30 . 10
sagonia Double Dalisy,
silis or Double Dalsy, 16 oz ., 45 c .25
Cellis or Double Dalsy 16 Trade Pkt. Oz. Msmmoth White...1-16 oz., 40 c .35 Mammoth Pink.....1-16 oz., 65c . 25 Longfellow, dark pink, \(1 / 80\) oz., 35 c .20 Snowbsll, dbl. white. \(1 / 8 \mathrm{oz}\)., 35 c .30
Candytuft Gisnt Hyacinth-Flow-
ered. Improved Empress. \(1 / \mathrm{y}\) oz., 10 c
Canna, Croz mixed.
sosla, Pre..................lh choice
ospresident Thlora This is
much snd variety which is so
much snd effectively used in 15

Galosia Thompooni Magnilloa. Of grest falue for all decorative purposes in and out of doors. Pkt., 10c; 14-oz., 25c.

Tre
Centaurea Candidissima (Dusty Millet) 1,000 seeds. . ................ . 55 1.70 Centsurea Gymnocsrpa...lb., \$2,75 Clematis Paniculats, white, sweet scented .....................lb., \(\$ 4.50 .15\) Cingrarla Meritims "Diamond." This is one of the finest folisg bedding plsats. The leaves ar brosd, snow-white and lasting ..............................48 oz., 60c . 15 CIneraria Maritims Candidissims. . 10 Cobana Soandene .10 Alba ................................. . 15 Coleus, Msmmoth Rsinbow MixtColeus Lsige Lesved Sorts, extre 20 choice mixed...... .................. . 20
DAHLIA, Eurbonk's Solootion. The seed w offer is of \(L\). luurbank's own saving, snd be proportion of seed wion greate perfect double flowers than any ever berore offered; 90 per cent of good flowers ean be expected." Blooms the first year from seed. Pkt. ( 100 seeds) 50c. Trsde Pkt. Oz
DAISY, Non Plus Ultra, best white
Dracaena Indivisa................lb., 22.50 8. . 10 \& . 25
Now Shasta Dalsise....1-16 oz., 81.00 . 5
Vauphan'e Early and Lata Flowur. Ing Forget-menot. ...... 16 oz , 25 c .
Cravillan Robusts (Silk Oak) ........ 10 Hellotrope, Lemoine's Gisnt ...'............. . \(25 \quad 2.00\) IPOMEA Noollfiora, Moonflower- Trade Pkt. Oz White seeded...... 100 seeds, \(50 \mathrm{c} .\). . . 10 \& .50 booms esrly......... . . 10 . 40 Lemon Verbena ............ \(1 / 4 \mathrm{oz} ., 40 \mathrm{c} .15\) Linarla (Kenilworth Ivy) ..../4 oz., 40c . 15 Lobella, Crystal Palsce Compscta,. Specioss, dsrk flowers snd oz \({ }^{3}\), 25 for hauging baskets.... \(3 / \mathrm{oz}\). 15 e Emperor Wíliam, dwart 14 oz., 20c Beddiug Queen............. 1 oz., 25 c Matricerla Capensis fl. pl. Double White Feverlew. ......................... Maurandya, Mixed Mimulue (Musk Plant)...... \(140 \% 30 \mathrm{o}\) Musa Ensete. 100 seeds, \(\$ 1.00\)

\section*{PANSIES.}

Vaughan's Up-tooDats "Intornational"
Received the only award ior Mixed Pansiesrat the world's Fsir. It is to-dsy better snd raore complete than ever. It contsins the cream of the stock of 10 Pansy Specislists. There is no better or used it csn tall you. Prlce per oz., 810.00 ; \(1 /\) oz., \(\$ 5.00\); \(3 / 8\) oz., \(\$ 1.50\); trade pkt., 50 c .

\section*{Vaughan'a "Clant Mixfure."}

This mixture is speclally made by us from sll the separate colors of Giant Trimsrdesu, the strains which cannot be hsd any aiteral special your trede demands large flowers there is no better mixture Price 2 ib 814.00 ; 02, \(94.00 \% \mathrm{~K} 02,600\) trade pkt., 25 c .
Petunia, "Vaughan's Best" Mixture of Large Foweriog Petunias, trade pkt., ( 1,600 seeds) pkis. for \$1.25.
Patunia, Howard's Star. Distinct irom Indmitable, or Blotehed and Striped. The color is a or borders crison-maroon. a splendid sort 500 oreds) 550 Potunia, Vaughan's Double Petunias, mixed, rade pkt. ( 600 seeds) 81.00
Petunla, Double pure white, 250 seeds, 50 c .
Petunla, Extrs Large Flowering, double iringed. This extra cholce strain produces a bout 30 per cent of splendid double fringed flowers. Trade pkt. ( 500 seeds) 60c; 1,000 seeds, \(\$ 1.00\).
Pyrathrum, Golden Festher............... 10 . 8 . 30 Salvia Splendens, Clara Bedman (BonDrooping Spikes,"........................................ 25 . 2.25 A. Ragenau, very early, very dwarf. Smilex, new crop, \(1 / 4 \mathrm{lb}, 70 \mathrm{c}\); lb., \(82.50 \quad .10 \quad .25\) STOCKS, Large-Flowering Garman 10 Waske. Pure Whlte, Brillisnt Rose, Bright Crimson, Blood Red, Purple, Light Blue, Canary Yellow, Price esch above per \(1 / \frac{1}{0}\) oz. \(40 \mathrm{c} ;\) oz.,\(\$ 2.25 ;\) pht. 250.

Large Flowering, extra choice m'xd
Thuntergle Mixed ......... 10 ,
"Vaughan's Best" Mlxiure of Vor:
, 2.00
 ance, brigatest scarlet \(1 / \mathrm{oz}\)., 25c
Msmmoth, white..............4 oz., 250 . 15 . 150 1ayflower............................ oz., 25c . 15 1.00 Mammoth purple........... 14 oz., 20. . 15 1.00

Greenhouses, Nursery and Trial Grounds, Western Springs, III.

More than half-a-million copies of the Burpee Catalogues for 1905 have been mailed already. Have YOU received one? It not, it will pay you to write TO-DAY? A postal card will do. Simply address

\section*{BURPEE'S SEEDS, Philadelphia, Pa.}
and you will receive by return mail Burpee's Farm Annual-so long recognized as the "Leading American Seed Catalogue." it is a handsome book of 178 pages, with elegant colored plates, and tells the plain truth about all the

\section*{Best Seeds that Grow!}

If you garden for profit or are a florist you should also have Burpee's "Blue List" \({ }^{\prime \prime}\) or Wholesale Price-List for Market Gardeners and Florists.

\section*{The NurseryTrade}

\section*{AMERICAN ASSOCIATION OF NURSERYMEN.}
E. W. Kirkpatrick, McKindey, Tex., Pres.; C. W. Watrons, Des Moines, Ia., Vice-Pres. George C. Seager, Rochester, N. Y., Sec'y. Thirtieth angual convention, West Baden Springs, Ind., Jude, 1905.

Pittsfield, Mass.-The Greylock park commission has taken by eminent domain 1,361 acres of land in Adams and New Ashford, for the Greylock reservation, which now has 5.460 acres.
New Tonk. - The Bloodgood Nursery, Incorporated, lias heen organized with a capital of \(\$ 50,000\), the incorporators heing \(P\). \(O\). Kicene, H. Anderson and S. Croke, all of New Iork.

Washington, D. C.-An amendment to the agricultural appropriation bill, Which was passed by the honse, proviled setting apart \(\$ 10,000\) for investigation and introduction of parasites and other patural enemies of the gypsy and brown-tail moths.

Helena, Mont.-The Montana State Horticultural Society has selected Mis soula as the meeting place next year The following officers were elected at the annual meeting: President, C. F. Dallman, Missoula; secretary and treasurer, Verdie Spurgen.

Rogers, Ark.-The Arkansas Horticultural Society closed its annual meeting January 26. Mena was selected for the next annual meeting. The following are the new officers: President, Senator John P. Logan, Siloam Springs; secretary, Prof. Ernest Walker, Fayetteville; treasurer, J. W. Vestal, Rhea.

\section*{Nursery Notes.}

Deutzias and weigelias will be in fine shape for fall trade by cutting to the ground this spring.

Hydrangea paniculata grandiflora can be layered and rooted successfully, using only the surplus branches.

White fringe is one of the shrubs that require little trimming or pruning but is as handsome a shrub as one might wish to see.

If you expect to propagate soft wood shrubs, vines, roses, etc., next season, and you have not the necessary equipment, now is a good time to figure it all out and get ready.
Japan snowball, one of the finest shrubs in our whole list, can be casily propagated from soft wood, but it must be kept close in a frame. Use a double sash. When rooted, pot up and carry over in a frame or cool house till plant ing time in spring. In the north it must be protected until it gets well established.
M.

\section*{Shrub Cuttings.}

Ed. American Florist:-
Kindly allvise me of the proper way of handling during the winter months, until ready to plant out in the field, cuttings from the following shrubs: Deutzia, Hydrangea paniculata, philadelphus, spiræa, weigelia and Califor nia privet.
E. E.

Shrub cuttings are usually stored in a cool place until through making. Then if you have a soil of a sandy nature if youl hole in the ground sufficiently
large to hold as many as you have. Below the freezing point place them in layers so there will be no difficulty in getting them out in the spring. After covering all up well throw on some stram manure or litter. Should there be no sandy soil procure some and pack the cuttings away in sand in any cool place, heing careful not to let them get too dry.
M.

\section*{Silver Ribbon Grass.}

This is said to be a new hardy perennial, which grows from twelve to fifteen inches high, the striping very fine and delicate-green and creamy white running lengthwise of the leaf. Its greatest advantage, the disseminators claim, lies in the fact that it holds its beautiful colors and markings during the entire summer and does not run to seed. Orring to this fact, it is especially desirable for borders, edgings, etc., or for massing. It is also valuable for florists' use in filling window boxes or larn vases. For this work clumps of roots can be lifted in the fall and stored under benches or in a cellar until want ed for dividing and potting or growing in flats ready for early spring use. It


Vick's New Silver Ribbon Grass.
also succeeds admirably as a pot plant for indoor decoration. The plant is offered by James Vick's Sons.

\section*{Portland, Ore.}

A carload of nursery stock from France for J. B. Pilkington, was cleared through the custom house January 27. Prominent on the invoice were 185,000 fruit tree stocks, 6,000 English walnuts, 2,500 berry-bearing hollies, 3,000 conifers, and a long list of ornamental trees and shrubs. They were the thirl car lot received by him this season, the first containing 3,500 Holland-grown rhododendrons and azaleas. The duties paid amounted to about \(\$ 600\).

\section*{Philadelphia.}

TIIE MARKET.
Trade conditions have improved slightly but the demand could be very much better without a word of complaint from the storekeepers. There seems to be a full line of all kinds of stock and most of it in very good condition and up to tho standard, in spite of the cloudy, snowy weather. Prices are much the same as last week. Carnations are in fair demand, Enchantress, Lawson and Joost leading. We want a
pink, color of Joost, as good as Lawson and then we will be happy. Bulbous stock is now showing up strong. There are plenty of single and double daffodils which move well; \(\$ 3\) for the singles is now the price.

\section*{trade notes}

Robert Craig \& Son have 10,000 cyclamens all from seed saved from selected stock of their best strains. These young plants are now out of the seed boxes, planted about four inches apart each way on tables of prepared soil, and are growing strongly, having from three to six leaves each. About 98 per cent of the seed germinated. A house has been planted with 1,000 Scott ferns. Mr. Craig has great faith in this variety and believes it will distance all the others, which appears to be the opinion of those who have seen it about here.

Wm. P. Craig, who is handling Dorothy Faust chrysanthemums, has persuaded Mr. Faust to send it out this spring. Mr. Craig had booked a large number of orders before the discussion about the name and his customers, he says, having seen the variety and know: ing its value, want it.

Manager Muth, of the Philadelphia Cut Flower Company, reports' business good, with considerable doing in a fine line of tulips, daffodils and other bulbous stock. R. C. Hayden, of the firm, is back to bed again but hopes to be out soon.
W. K. Harris is the leader in tulips and has a fine lot in plots of 25 to 50 bulbs. They are well grown. He is also strong in azaleas.

The Leo Niessen Company is busy handling southern greens, having a great demand for smilax, galax, ete.
J. W. Colflesh is sending in a nice lot of window plants, azaleas, freesias and a full line of bulbous stock.

Berger \& Company are handling a fine line of greens, their bunch asparagus being in great demand.

K .
CALIFORHIA PRIVET CHEAP 100,000 well grown plants, 3 to 4 feet, selected,
\(\$ 4.00\) per 100 \$ \(\$ 5.00\) per \(1000.21 / 4\) to \(33 /\) fept, 7 or more hranches, \(\$ 2.50\) per 0.00 per \(100 ~ \$ 13.00\) per 30 io.. 5 or more braoches, 2.00 per 00 ore branches, 8150 . 18 to 10 . 1700 , 2000 all of the above hoxed, f. o. h. here. For car or large lots write before placing your orders.

CHAS. BLACK, HIghtstown, N. J.
RHODODENDRONS.
10,000 , all sizes; large sizes to \(5 \times 5\)
feet. Write for kinds and prices.

\section*{C. J. TTOTMS, PENDLETON \\ Manchester, England.}

Tottenham Nurseries, tro.

\section*{Established 1872.}
A. M. C. VAN DER ELST', Managing Director.

Dedemsvaart, (Holland.)
Headquarters for Hardy Perennials (among which are the latest and choicest, 13 acres devoted for growing this line as Anemone, Aster, Campanula, Delphinium Funkia Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata and sufruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifers, (specially young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpioc varieties), 2 acres Hydrangeaa. We make lines. Ask for catalogue.

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Fruit Trees, Small Frolte, Ornamental Trees Evergreens and whrobs. Shode Trees, llordy moses, ilardy Plants. chimbers, etco Thit GoldMedal-Paris-Pan-A merican-
st. Louis. 102 prizes New York-Stata St. Louls. 102 prizes New York Stata Fair, 1904.
llustrated Descriptive Catalogue
FREE on Request.

\section*{ELLWANGER \& BARRY}

Mt. Hope Nurserles, Rochester, N. Y
Eatoblished itateara.

\section*{Silver Ribbon Girass}

The new hardy perennial. The finest ornamental grass to be had-perfectly hardy can be used indoors and out grows rapidly and does not turngreen or run to seed. Strong fieid-grown roats, 16 c each by mant, postpaid. \(\$ 1.25\) per dozen; \(\$ 8.00\) per 100 by express, charges not prepaid. Can orders at any time. Terms cash

\section*{James Vick's Sons,}

ROCHESTER, N. Y.

\section*{W. van Kleef \& Sons,}

Wholesale Growers of all kinds NURSERY STOCK.
BOSKOOP,
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Catalogue free on demand. No Agents. Plesse inspect our nurseries when in Europe. No sgents.

\section*{Beautiful Grounds.}

An lllustrated Manual containing suggestions on Lawn Msking, Planting and csre of Shrubs and Trees, with names sind descriptions of varleing Landscspa Plsns, Alopographical Surgeps ng, La book you will often refer to. Send for it to-day. Fres on application.
Pelerson Nursery, 503 W. Peleraon Ave., Chicago.
Jacs Smits, Llud NAAROENT,
Wholesale Girowers of \begin{tabular}{c} 
Hardy \\
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\end{tabular} nursery stock, pot-grown forcing planta. Lilacs a apecialty. Berlin and Hamburg Valley-the beat quality. Catalogue iree on demand.
When in Europe please inspect dur nuraeries. MAARDEK-BUSSUM, nair Amstordam, le oor R. R. Dopet.
August Haerens' Nurseries, SOMERCEM, CHENT, BELCIUM.
Furnish PALMS, ARAUCARIAS, BAY TREES, FICUS sad other decorative plats ror 1905 , spring delivery. packing. Trade list sent by the Amerioan Agents
August Rölker \& Sons
31 Barclay St., P. O. Box 752. NEW YORK.

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New catslogue now raady. "Can't buy tree right without it.'. Get it of
T. V. MUNSON a SON, Denison, Tox

The MUNSON GREENHOUSES. Cut fowers and Beddiog Plants for retail trade

WILL B. MUNSON, Denison, Tex

\section*{Philadelphia Rambler.}

Flowers brighter s.d much more double than Crimson Rsmbler, stiong grower, Fleld plants, 2 to 3 ft ., 82.00 par doz.; 815.00 per 100 Field plants, 3 to 4 ft ., 83.00 per dez.; 830.00 per 100 The Conard \& Jones \(\mathrm{CO}_{0},{ }^{\text {wist }}\), ghione

\section*{ORDER}

NOW

\section*{HAROUSHRIVSS,RAMBLERS and hybrid roses EASTER FORCING \\ Each Doz. 100}

DEUTZIA GRACILIS, pot- \(15 \$ 1.50 \$ 1000\) grown for 7-inch pot DEUTZIA LEMOINEI, pat
growu far \(\overline{\text {-inch pots }} . .\). . \(40 \quad 350 \quad 25.00\) ZALEA MOL pots \(\begin{array}{lll}.40 & 400 & 30.00\end{array}\) RHas, 20 buds
 RHODODENDRONS, for
\[
\begin{aligned}
& \text { M buds.............. .. } 1.00 \quad 1100 \\
& \text { For frocing, arge plants, } 20020.00 \\
& \text { HYDRANGEAS, otaksa, Red }
\end{aligned}
\]

Branched, Thas. Hogy Dormant.
a-vr ohd pot-arown. For forcing. \(500 \quad 35.00\) CRIMSON RAMBLERS, strong, 00
 DOROTHY PERKINS, strong, 2- 2.002000


VAUGHAN'S SEED STORE, Chicago.
Greenhouses and Nurseries, Western Springs, III.

\title{
Special Evergreen 0ffer.
}

We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, ist grade, 6 to 8 inches, once transplanted, \(\$ 3.00\) per 100; \(\$ 25.00\) per \(1000 ; \$ 115.00\) per 5,\(000 ; \$ 200.00\) per 10,000 .
ALSO THE FOLLOWING:
Per 100 Per 1000
BUXUS ARBOREA, 2 years, 6 to 8 inches .................................... \(\$ 2.00\)
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches................................ 1.50
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RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches......................... 4.C0
RETINOSPORA P. AUREA, 9 to 12 inches, 2 years........................ 4.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches........................ 5.00
BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches....................... 3.00
BIOTA ORIENTALIS, Rasedale, 1 fl., very fine .. ............................ 10.00
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine....................... 15.00
JOSEPH W. VESTAL \& SOH,
Little Rock, Ark

\section*{Forcing Stock for Easter.}

AZALEA MOLLIS full of buds, nice even heads. force easily, 12-15 in. high, \(\$ 3000\) per 100; \(15-181 \mathrm{n}\) high 1000 per 10 J . DEUTZIA CRACILIS, grown especially for do pots, \(\$ 500\) per 1 lo : \(15 \cdot 18 \mathrm{in}\). bigh, for 7 in. or \(8-10\) pats 8800 per 100 . DEUTZIA LEMOINEI-Similar but stronger grower, 15-18 in. high, for 6-in.
pots, 89.00 per \(100^{\circ} 18-24\) in. high, for 7 or -1.. pots,
RHODODENDRONS-Best named IIybrids husay and putlof buds, 20 in. high. 9900 per dozen: 24in. high \(\$ 13.00\) per dozen; \(30-32\) in high (heavy) wet.00 per dozen
SPIRAEA JAPONICA, 3.00 per 100.
SPIRAEA NANA COMPACTA, \(\$ 4.00\) per 100.

\section*{THE STORRS \& HARRISON CO., Painesville, \(0_{1}\)}

\section*{Surplus Treesedels. \\ 500 lbs. Catalpa Speciosa,}

500 lbs Black Locusl. Also good lot of other Tree and Shrub Seeds and a large lot of Seedhngs both Nursery grown and collected. Send for Trade List.

\section*{forest nursery and seed co.,}
irving COLLEGE, Warren Co.. TENN.


\section*{THEMOON}

Comapany
For \(\{\) Trees, Shrubs, Vines Your \(\{\) and Small Fruits. Descriptive Illustrated Cstalogne Free THE WM. H. MOON OO. Morrigville, Pa.

California Privet 1,2 and 3 years. Also Cutill ba sceepted on lots of 5,000 to carloads. RIVER VIEW NURSERIES, J. H. O'HAGAN. LITTLE SILVER,'N. J

\section*{Our Pastimes} Announcements of coming contests or other and sporting readers are solicited and will be given place in this column.
Address all correspondence for this depart-
ment to J. H. Pepper. ment to J. H. Pepper, 429 Sixth Ave., New York: Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago

\section*{At Washington.}

On February 3 the florists were again defeated by the jolly fat men. The scores follow
\begin{tabular}{|c|c|c|c|}
\hline Players. & \multicolumn{3}{|l|}{fat men.} \\
\hline Harlow & 127 & 179 & 195 \\
\hline Waters & 204 & 181 & 181 \\
\hline Lemmon & 181 & 158 & 190 \\
\hline Ludwig & 156 & 146 & 182 \\
\hline Rodrick & 165 & 170 & 167 \\
\hline Totals & 834 & 834 & 915 \\
\hline Players. & 1 st. & 2nd. & \\
\hline Corke & 145 & 227 & 143 \\
\hline Shaffer & 155 & 168 & 157 \\
\hline Lewis & 139 & 135 & 129 \\
\hline Ernest & 115 & 168 & 158 \\
\hline Mclennon & 147 & 162 & 166 \\
\hline Totals & 711 & 860 & 753 \\
\hline
\end{tabular}

\section*{An Elastic Statement.}

The new reporter, in his story of the wedding, wrote: "The floral display stretched from the chancel rail to the doors of the解 reporters, said: "Couldn't editors with new better word than 'stretched'? have used a display 'nodded' or 'twined' or say the flora that-some word more suggestive of flowers." " 'Stretched' is all right in this case," replied the new reporter, with the stubhor, courage of a realist. "The decorations con sisted of six rubber plants, and they had to stretch to cover the distance."-Baltimore

\section*{Ohio.}

The sun never shone on a country more fair Than beantiful, peerless Ohlo:
There's life in the kiss of her rarifled air, Ohlo, prolific Ohio.
sons are all vallant and noble and Her beautiful daughters are fust about right And her bables, God bless them, are clear The crop never fails in Ohio.

Our homes are alight with a halo of love, Ohio, contented Ohio.
We bask in the smiles of the heavens above, No clouds ever darken Ohio.
Our grain waves as billows of gold in the The fruits
druits of our orchards are equaled by Done,
And our pumpkins, some of them welgh most We challenge the world in ohio.

Our girls are sweet models of maidenly grace In this modern Eden. Ohio;
They, are perfect in figure and lovely in face, That's just what they are in Ohlo
helr smiles are bewitching and winning and Their dresses are stylish, yet modest and neat,
A Trilhy would envy their cute little feet.
In beautiful, peerless Obio
When hurdens of life I'm ralled to lay down, I hope I may die in Ohio.
Thever rould ask a more oflorious crown Than one of the sod of Ohio.
And when the last trump wakes the land and the sea.
And the tombs of the earth set thelr prison-
You mety all'go aloft, if you choose, but for
I think i'll just stay in ohin
Cambrige (0.) Sun

Ombe, Wra.-The Omro 1Iorticnaltural Socisty giter et hanguet at Masonic hall on the evenimif of Jammary 28.

\section*{Washington.}

MARKET NEWS
The social affairs of the past week were numerous, and elaborate decora tions were furnished for a number of the most notable. The diplomatic corp has been quite active in entertaining. The British ambassador and Lady Durand threw open the embassy to a host of grests, and the representative of other nations have done likewiss. The regular official programme of dinners and receptions is being carried through, and in addition there are numerous balls, teas and other events that call in the decorators. Society may have its faults, but were it not for society the lot of the Washington florists at present would be like that of the policeman in the play-not a lappy one. The severe winter weather has cut down the sales to the great middle class to a minimum. This has becn very noticeable in the markets, where in pleasant weather the dealers in flowers usually do a good business. The supply of cut flowers is equal to all demands, though American Beauty and Bridesmaid roses are none too plentiful, but by "neighboring," a commendable practice, all the retailers manage to fill orders. The excellent quality of Liberty roses that are being handled by several retailers, notably Cooke and Blackistone, are features of the winter's trade.

Carnations are plentiful and of good quality. Bulbous stock is plentiful, tulips, jonquils and alliums being in good supply. A large amount of cut lilac is being used and there are a few sales of pot plants of the same, but the cold weather is almost prohibitive of the handling with safety of pot plants.

\section*{NOTES.}
J. H. Small \& Sons have been very busy with decorations. On January 30 they had an elaborate decoration for the ball at the naval academy, Annapolis, Md.; on February 1, another for the banquet of the Loyal Legion at Ravcher's, while on the night of February 3, their decoration for Mrs Townsend's cotillion was a most profuse display of orehids, American Beauty roses and lilacs.

Fred II. Kramer is cutting extra fine Bride and Bridesmaid roses. It is agreed that in the theory and practice of growing Bride and Bridesmaid, his grower, Phil Buckingham, is "it." Mr. Kramer is also forcing large quantities of bulbs, lilaes and a variety of other stock, of which the most noticeable are a number of magnolias.

David Bissett had an accident to one of his boilers, which, however, has not put him out of business, as he is selling violets as usnal. Mr. Bissett is a man who can rise up to the emergency, and to quote the lamented A. Ward, "cave in the emergency's head.'
J. R. Freeman had a large amount of fnneral work during the week. He furnished a number of fine designs for the funeral of Jelge G. Forsberg, one of the most prominent Swedish-American ritizens of Washington and a popular business man.

If Geo. 11. (fooke and John Robertson ramot he found at their respective stores it is a safe conclusion that they are derorating for dinners at the homes of some of the senators
(. P'onnett, of Alexandria, Va., is sending in fine tulips, and extra long
strings of asparagus plumosus nanus, which is now much in demand and finds a ready sale.
\(N\). Studer has installed a new boiler and is making other improvements. He has on hand a large stock of young plants of hardy roses, palms and adiantums.
A. Gude \& Brother, in addition to their staple product of American Beauty and other roses, have a fine lot of Enchantress and Lawson carnations.
W. F. Gude, Alex. B. Garden and Henry Phister have all been on the sick list.
S. E.

\section*{European Horticulture.}
(FROM BRITISH HORTICULTURAL PAPERs.) Colchicum Stevenx.-The hest-known species of meadow saffron is the common autumn-flowering one often seen in the grase or shrubberies during September, and occasionally as a curiosity flowering from the corm without either soil or water. Amongst theep up a succession at various times spering the winter and spring That under notice usually or early in January It must be understood that no matter how hardy a plant is no one could depend upon seeing it in perfection in the open air in this country, althnugh occe sionally in mild winters it might bloom to perfection. Under the conditions named or in an unheated frame the flowers are protected from the ill effects of frost, rain or soow. It is so different from our autumn species that few would recognize belonging to the same genus. The flowers and leaves appear together, heing much about the same height at flowering time. Each corm, popularly termed a bulb, gives rise to one to cour fiowers of a soft rosy-purple sometimes shaded with white, the oblanceo late segments forming the funnel-shaped blade of the flower varying from one-hal inch to three fourths inch in length. The slender white tube carries the flowers to a
height of pne and one-half to two and oneheight of one and one-half to two and onehalf juches above the soil, so that a pot or pan of plants is very pretty and interesting at this season of the year. The slende linear leaves are bright green and about the same length as the fowers at the present leaves underground till sping but they are of much larger size and altogother lesi interof much for sot culture The species is a native, of Syria Pteris Palmata colored illustration of this new variety of colored inustration of this new variety of Revue de l'Horticulture Belge. It is characterized by having silvery-white stripes, running from near the midrib of each of the larger segments towards its edges, and the日e are apparently sufficiently numerous to render the variety distinct and attractive to those who fancy variegated ferns. For the benefl of those who have not given ierns any special attention, we may say that P. pal mata belongs to a section of the genus named doryopteris and sometimes used as a generic name. The plants themselves are rather distinct in appearance, inasmuch as the fronds are short, more or less triangular and divided on the palmate plan. The principal divisions all originate from one polnt at the top of the leaf-stalk and radiate in different directions. These again are divided once or twice, giving the ultimate segmente more or less a wedge-shaped form. Thto species is also notable from the fact that it gives rise to young ferns somewhere on the petan ofe and roetrd as, and these may e specles may rooted as separate plante. extent by means of spores which are freely produced Hithertp the wocles has pot biven rise to any appreciably distlact vartety. and according to Charles Pynaert, the varle gated form is as robust as the type, and the ronds have a very decorative aspect. The variety appearcd in the cultures of M. Arthur van den Heede, a fern specialist at Ghent, who exhibited the plant at a meeting of the syndical chamber of Belgian horticulturiete on May 1 last year, when be was accorded a certificate of merit for his novelty.

Unadilla, N. Y.-The entire greenhouse establishment, including offices and barn, of N. IF. Padgett was consumed by fire February 3. The loss is total with no insurance, the origin of the fire being unknown.



\section*{Carnation Cuttings}

Thoroughly Rooted.


\section*{Weiland \& Risch, \\ Leading Western Wholesale Growers and shippers of cut Flowers.}

59 Wabash Ave., Chicago.

\title{
My Maryland
}

Was the Sensation of the Chicago
Exhibition. Easily Out Ranks any Other While.
Awarded frst-class Certidcate of Merit by the Amerioan Carnation Society. Lawsoa Bronze Medslifor 100 blo ms a od S. A. F. Bronze Medal easily displace suy other white.
We are booking ordere now for delivery January 1906. Price. \(\$ 2.50\) per dozen: 812.00 per 100 : \(\$ 10000\) per 1000 Write us for other new and standard varieties.
H. WEBER \& SONS, Oakland, Md.

\section*{60,000 Grafted RosePlants}

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1 st in \(21 / 2-\) inch pots, thoroukhly hardened off and ready to shift into \(31 / 2\)-inch, the following.

Per 100
BRIDE......................................... ..... \(\$ 10.00\)
BRIDESMAID..................................... 10.00
LA DETROIT....................................... 12.00
GEN. MacARTHUR....................... 12.00
GENERTY 12.00

ROOTED CUTTINGS. READY NOW.

Per 100
BRIDE, BRIDESMAID........................... \(\$ 1.50\)
CHATENAY. .......................................... 1.50
LIBERTY. 2.50

PERLE................................................................. 2.50

\section*{CARNATIONS.}

Per 1000
\begin{tabular}{|c|c|}
\hline GOV. WO & \$12.50 \\
\hline WHITE CLOUD & 12.50 \\
\hline NORWAY & 12.50 \\
\hline LAWSON & 12.50 \\
\hline MORNING GLO & 12.50 \\
\hline JOOST & 12.50 \\
\hline ENCHANTRESS.. & 25.00 \\
\hline FLAMINGO & 50.00 \\
\hline CRUSADER & 4000 \\
\hline ESTELLE. & 25.00 \\
\hline AMERICA & 12.50 \\
\hline CRANE & 12.50 \\
\hline PROSPERITY & 12.50 \\
\hline GAIETY. & 15.00 \\
\hline
\end{tabular}

GAIETY
ALL PLANTS EHIPPRD FROM
Bassett \& Washburn,
Store: 75 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

\footnotetext{
Rooted Carnation Cuttings.

\section*{PINK}
Alpine 20.00
Alpine Glow............... . ....... 2.50 2000
Lawвоп............................... 2.00 . 1500

WHITE
Qneen. ... .... . . . . . . . . . . . . . . . . . . . 2.50 20.00
Queen Loulse........................ . . . \(2.00 \quad 15.00\)
Boston Market........................ 250.20 .00
Marion .............................. 2.00
RED
Flamingo............................... 6.00
Crubader............................... A..... 0
Crune................................... 200
Mrя, Putten.......................... . . 6.00
Prosperity...... ..................... 2.50
20.00

Harlowarden........................ . . 300 25.00
Wo can furnlah Cuttings of all the
Siondard Varlotion.

\section*{The Leo Niessen Co.}

1217 Arch 81., PHILADELPHIA, PA.
}

\begin{tabular}{|c|c|c|}
\hline  & Red Lawson will Bloom 3 to 1 gaiant and ontiter RED &  \\
\hline  & Preso & \({ }_{80}^{800}\) \\
\hline  & &  \\
\hline  & LAWSON & \({ }^{p u t}\) \\
\hline  & 50,000 Cuttings Sold &  \\
\hline \multicolumn{3}{|l|}{W. J. PALMER \& SON, Lancaster, \(\mathbf{N}\)} \\
\hline
\end{tabular}

\footnotetext{

}

\section*{Successful Growers are Wanted}

To krow that they can dispose of all their surplus stock by adver...........tising in the American Florist. TRY IT NOW.

\section*{CARNATION}

\section*{CUTTINGS.}

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.
Per \(100 \quad 1000\)
Lawson.
Guardian Ange
ngel... \(\$ 1.50 \$ 12.50\)

Enchantress. \(1.00 \quad 9.00\)

Morning Glory \(3.00 \quad 25.00\)
....... \(1.50 \quad 12.50\)
Mrs. Higinbotham................ \(1.25 \quad 10.00\)
Estelle ..... .......................... \(1.50 \quad 12.50\)
Chicago............................... 2.00 15.00
Adonis................................. 2.5020 .00
Flora Hill............................ \(1.00 \quad 9.00\)
White Cloud......................... 1.2510 .00
Her Majesty.......................... \(1.50 \quad 12.50\)
Harlowarden........................ \(1.50 \quad 12.50\)
Orders Filled Promptly.
WIETOR BROS.
51 Wabash Ave.,
Chicago.

\section*{Red Sport}

\section*{OF MACEO}

This New "Bread and Butter" commercial britiant "Crane" Red Carnation, now in its fourth year, bas the hardy constitution of Gen. Maceo, with a stronger, heavier growth, longer and stiffer stem a ad larger flower.
growno house with Flamine conditlons and in the same house with Flamingo and Estelle, it has produced four times as many flowers as the ormer onod so Estelle and the bloom brings as much as does Estelle at its best. Every flower is of a uniform, hrilliant red, perfectly double, with an ideal oslyx: in fact. we have never seen a split one.
RED SPORT is perfectly healthy, an easy variety to grow, an early and oontinuous hoomer,
throwing its heaviest cuts around the chrlstmas holidays and during the winter months, when red is in demand.
RED SPORT will keep longer and travel farther than any other red carnation, and will prove a bonanza to growers doing a shipping business. If the scaroity of reds 10 the market that now exists continues. RED SPORT will pay better to variety of any color to date.

Ever
Evow
growing has placed an order lor rooted
cuttings, which teils the talo.
All our rooted cuttings are sold until atter January 25. Orders tilled in strict rotation from above date on.
Price. 12 for \(\$ 1.50\); 25 for \(\$ 2.50 ; 50\) for \(\$ 4.00\), post paid. \(\$ 8.00\) per \(100 ; \$ 50.00\) per 1000 , by express. We guarantee cuttings to be well rooted and to
A. B. Davis

Carnation
A. B. Davis \& Son, \(\underset{\text { purcellville, va. }}{\substack{\text { Carnation } \\ \text { Specialists }}}\)

\section*{Carnations} ROOTED CUTTINCS.
Send for price list of all the new and
Wm. Swayne, \({ }_{\text {Kenel }} 226\)

\title{
500,000 VERBENAS \(\underset{\text { vaRIETIES }}{60-}\) \\ The Largest and Finest Stock in the Counlry. PERFECTLY HEALTHY-NO RUST.
}

\author{
Prize Rooted Cuttings \\ 60c per 100; Plants. 2 Kh-inch pots \\ 粉. 50 per \(10 \mathrm{~J} ; 820.00\) per 1000
}

300,000 CARNATIONS
Rooted Cuttings Clean and Healthy.

CRISIS, Kaw Commarcial Scariat.
Mrs. Patten.
Judge Hinsdale
Lady Bountiful.
Wm. Scott.
Florisns..
Florisns
Eldorado.
Mrs. Joost...
Eochantrese.
60,000 GRAFTED ROSES For
Orders bookej for delivery in April, May and June
LIEERTY, rose pots. \$:2 00 per 100: 31/g-inoh pots, per 100 .
GRIDES, BRIDESMADS, COLDEN GATES, KAISERINs, rose pots, per \(100 \ldots . .318 .00\) 31/e-iach pots per 100.

SEND FOR PRICE LIST.

\section*{J.L. DILLON, Bloomsburg, Pa.}

\section*{Rooted CARMIION CIIIIIGOS NOKY READY...}
\begin{tabular}{|c|c|c|c|c|c|}
\hline WHITE & Per 100 & 1000 & SCARLET. & Per 100 & 1000 \\
\hline Queen Loul & ....81.00 & \$10.00 & Amerioa & 1.00 & 10.00 \\
\hline Flora Hill & 1.00 & 10.00 & Potter P & 1.00 & 10.00 \\
\hline Albs & 1.40 & 12.50 & Estelle & 1.40 & 12.50 \\
\hline Gov. Wolco & 1.00 & 10.00 & J. H. Manley & . 1.50 & 15.00 \\
\hline Norway & - 1.00 & 10.00 & Apollo & 1.50 & 15.00 \\
\hline Lillian P & . 1.40 & 12.50 & CRIMSON. & & \\
\hline Chico & 1.20 & 10.00 & Harlowarden... & 1.40 & 12.50 \\
\hline PINK. & & & Gov. Roosevelt & 1.20 & 10.00 \\
\hline Mrs. Thos. Lawson & .. 1.40 & 12.50 & YELLOW. & & \\
\hline Enohantress. & . 3.50 & 30.00 & Golden Beauty & 1.40 & 12.50 \\
\hline Mrs. Joost & 1.00 & 10.00 & Eldorado. & . 1.00 & 10.00 \\
\hline Sucoers. & . 1.00 & 10.00 & VARIECA & & \\
\hline Mermaid. & 1.00 & 10.00 & Prosperity... & 1.40 & 12.50 \\
\hline Cressbrook & 1.00
1.40 & 10.00
12.50 & Marshall Fiold & . 1.40 & 12.50 \\
\hline res. Mokinle & 1.40 & 12.50 & Stella. & . 1.40 & 12.50 \\
\hline Es. Theo. Roo
SCARLET. & 1.40 & 12.50 & Armazindy & 1.00
1.20 & 1000
11.00 \\
\hline G. H. Crane... & .. 1.00 & 10.00 & Gaiety & . 1.20 & 11.00 \\
\hline \multicolumn{6}{|l|}{Special prices on large lots. Unroated plps at half price of above. 25 at 100 ; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. with privllege of examining.} \\
\hline
\end{tabular}

\section*{LOOMIS FLORAL COMPANY, Loomis, Cal.}

Please mention the A merican Florist when wriling.

The White Fly.
Ed. Am. Florist:-How can I destroy the white fly Fumigating does not seem to do any good. The pest is always on the under side of the leaf and breeds very fast. I enclose a leaf showing the egg. The fly, when full size, is about twice the size of the egg. J. N.

The following on this insect pest which appeared in our columns early last year, will probably interest " J. N." and other readers at this time:

This greenhouse pest has been long familiar to florists and gardeners, but little has been known regarding its life history and the agencies by which it may be kept in check. For these reasons Bulletin 140, on the white fly or plant house aleyrodes, by Prof. W. E. Britton, of the Connecticut Experiment Station, is very welcome. The following summary of the bulletin will be found useful:
1. The white fly has been the worst insect pest of tomatoes and cucumbers under glass at the station during the past eight years. Many florists' plants are also injured, and the insect has attacked strawberry and many other plants out of doors in summer. It has been received from several growers in Connecticut and is widely distributed over the northeastern United States. Its original home is unknown.
2. The white fly is closely related to the scale insects, and to the plant lice. It resembles the former in its immature stages, but differs from them in that both sexes are winged when reaching the adult stage.
3. It injures plants by sucking the sap from the under sides of the leaves. The lower leaves are the first to shrivel and drop. Most of the injury is caused by the nymphs or immature insects.
4. The nymphs of the white fly have been found upon fifty-eight different kinds of plants in Connecticut.
5. About five weeks are required for the white fly to pass through its life stages, all of which are found on the under side of leaves. Eggs hatch in eleren days, and the young nymphs crawl for a short time, when they become stationary and secrete wax in long filaments. When the adults emerge the pupa skins remain attached to the leaves. It is not yet known whether the species can survive the winter unprotected in this climate, but it is carried over on plants in greenhouses and dwelliugs.
6. It is thought to be identical with the European species A. vaporariorum of Westwoorl, but this has not yet been fully determined.

Fumigating with tobacco is not an effective remedy. Hydrocyanic acid gas (using two and onc-half ounces of potassium eyanide for each one thousand cubic fect) killed the insects but injured tomato plants. Dr. Fisher used one ounce of cyanide and did not injure his plants, but killed all of the insects.

Spraying the under surface of the lonves with common laundry soap and water (one pound dissolved in eight gallons) provel to be a cheap and effective

If applied frequently: lowaver, the soap shonld be occasionally wachal from the leaves by spraying thom with clear water.

Jarmony, dra.-W. J. Brown's greenhouse was Inatroyed by fire January

\title{
CHRYSANTHEMUMS ROOTED CUTTINGS FOR MARCH I, DELIVERY.
}

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Alice Byron.......................................................................... \(1 .\).
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Flamingo Nelson Fisher Lady Bountiful Nelson Fisher The above at \(\$ 5\) per \(100 ; \$ 40\) per 1000 .
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Pot-Grown Carnations 2-loch stock. \(\left\{\begin{array}{l}\text { Harlowarien } \\ \text { Enchantres }\end{array}\right.\) asparagus plumosus nanus seed, Greenhonse grown, \& 45 per 100

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Our Name is Associated with the BEST AMERICAN INTRODUCTIONS.
Judge our This Year's Introductions by the Past. Juat as good, if not better. We also have the
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Our Catalogue for 1905 describes all.
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A FEW OF OUR LEADERS:
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Rooted Cuttings of VIOLETS of all kinde.
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Strong Rooted Cultings and Planls. Leading standard varieties. Write for list of varieties and prices. Cash or satisfactory references. Address
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Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C.O. D. with privilege of examining at express office.

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A pleasing shade of plink, on a stiff, wiry stem. Fiowers large emough for all ordinary purposes.

Will Produce More Flowers per Square Fool Than Any Carnalion Now Grown.
Worth growing by the thoussind but rather than have you miss trying it, 1 will mall free of charge 25 rooted cuttings Pir \(83.50 ; 810.00\) per 100; 875.00
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Queen Louisa zad Lillian Pond. \(\$ 10.00\) per 1000 Floriana and Harry Fenn, 812.50 per 1000.
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The following at \(\$ 3\) per 100 ; \(\$ 25\) per 1000

\section*{White Lawson}
M. A. Patten

Flamingo
Lady Bountiful \(\left.\quad \begin{array}{c}\text { Nelson Fisher } \\ \text { Crusader }\end{array}\right)\)
The following at \(\$ 2\) per \(100 ; \$ 15\) per 1000
Enchantress
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\section*{MHITE LAWSON.}

The king of white sorts. A strong grower and a free bloomer. We have
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Lady Bountiful.
Mrs. M. A. Patte
Per 1001000
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\(6.00 \$ 60.00\)

Enchantress...
The Queen
The Queen.
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We are now baoking orders for future delivery. Write for prices.
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\hline M=s. M1. A. Patten......variegat & Per 100 8800 \\
\hline White Leswson. ............... & 500 \\
\hline Flsmingo............... scarlet. & 6.00 \\
\hline Alhstross . . . . . . . . . . . . . . white & 5.10 \\
\hline Enchsatress & 3.00 \\
\hline Queen.............. ...... . white & . 2.50 \\
\hline Boston Market.......... white & . 3.00 \\
\hline Queen Louise, Lawsod. & . 200 \\
\hline J. H. Menley . . . . . . . . . . scarlet & 2.00 \\
\hline Chsilenger...... .........scurlet & \\
\hline
\end{tabular}

Writs for Prices on Large lots. 5 Per Cent
Discount for Cash with Order.


\section*{St. Louis \\ \\ THE MAliliET} \\ \\ THE MAliliET}

The market this week has been at a complete standstill owing to the extreme cold which has been below the zero mark. Carnations have been coning in plentifully but they seem to have a tendeney of going to sleep. Whether this is caused by the extreme cold it is difficult to determine. Roses have been rery scarce, anything white commaniling a stiff price. Violets have dropped to \(\$ 3\) to \(\$ t\) per 1000. Some of the stores are selling them at 10 cents per bunch, while strange to say, the fakirs are lolding them at 15 cents and find ready sale. Bulbous stock is not very plentiful except mareissus which appears abundant.

\section*{otes}

The new Growers' Club will hold its second meeting next Thursclay, Febru ary 9 . The club will have some inpor tant business to transact and it seems that the gromers intend to look after their interests without consulting the retaiters or the commission men.

A resolntion calling the city's attention to the necessity of taking immediate action for the preservation of the historical cahin of General U. S. Grant on Art hill in Forest park was intro dneed in the council last night by Coun cilman Newell.
A. Y. Ellison will go to Milwankee with his team of bowlers to be present at the grand tomrnament.
lohn Nytlot has been bringing into this market extra fine calla lilies.

The Ellison Floral Company moves into its new store February 10.

The Florists' Club will meet on Fel ruary 9 at Odd Fellows' hall.

Ail the west end florists report trade
Julins Koenig with H. G. Berning is again indisposed
Alpa Siegel is very busy with funeral work
lancaster, N. Y.-The greenhouses of J. H. Rebstock were bumed Jannary 29; loss about \(\$ 3,000\).

\section*{VERY LOW RATES Southwest} WABASH

THE WABASH
Will soll special hombserk+rs' tickrets Lompsiana, Kansas, Indian iond oliahbomot for For mats, time card and fall mationTh


Please mention the American Florist when woviting.

\section*{ROOTED CUTTINGS READY. White Lawson} \(\$ 7.00\) per 100; \(\$ 60.00\) per 1000 .
\(\$ 4.00\) per 100; \(\$ 30.00\) per 1000 PINK LAWSON, 3.00 per 100; 20.00 per 1000 Send for catalogue for other varieties.
CHICAGO CARNATION CO. joliet. mintot.

\section*{Giant Flowered Poinsettias}

We have a limited amount of Stock plants of this variety. Flowers measured 18 to 24 INCHES IN DIAMETER. Chicago market never saw such fine stock as this variety produced and was sold by me for the past Holidays. Frice, 50c per plant; \(\$ 5.00\) per dozen plant \(s ; \$ 35.00\) per 100 planls.
\(21 / 2\)-inch plants
\(\$ 12.00\) per 100
3-inch plants.
18.00 per \(100\{\)
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Telegraph Geranium
FOR BEDDING OUT, CONSERVATORY OR WINDOW.

TELEGRAP, the grandest Gerauium in commerce. Awarded First-Class Certificales and Diplomas. , Inate WILL SELL AT SIGHT, AND GIVE SATISFACTION.

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\hline FAIR MAID. & 2.50 & 20.00 \\
\hline QOEEN & 3.00 & 2500 \\
\hline QUEEN LOUISE & . 2.00 & 15.00 \\
\hline LAWSON & 250 & 20.00 \\
\hline CRESSBROOK & . 2.00 & 15.00 \\
\hline CHALLENGER & .. 2.00 & 15.00 \\
\hline MACEO. & . 2.00 & 15.00 \\
\hline HARRY FENN & . 3.00 & 25.00 \\
\hline PROSPERITY. & . 2.50 & 20.00 \\
\hline G. M. BRADT & . 3.00 & 25.00 \\
\hline FIANCEE. & . 12.00 & 100.00 \\
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\end{tabular}
C. WARBURTON, FALL RIVER, MASS.
Tuberous Begonias
OUR GOLD MEOAL STRAIN. I'er IC0 Per 1000
 \begin{tabular}{ccc}
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DOUBLE & 25.00 \\
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\end{tabular} finest mixed ....... \(\quad 375\) 37.50
35.00 25 at 100 rate; 250 at 1000 rate.
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RED and YELLOW. Strong rooted Cuttings 500 per 100 ar w. 00 per 1000 ; in lots of 5,000 w.s.
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A seedling of Scott and McGowan. A very pleasing, salable shade of pink. Free and continuous bloomer, good babit and should be planted by every grower who uses his own flowers, beosuse there are always plenty to use. I have grown it for flve years and it has given me more good salable flowers per squar
Price per \(100, \$ 10.00 ; 25\) at 100 rates.
FRANK L. KOHR, Lancaster, Pa.
\[
\text { —R. F. D. NO. } 3
\]

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WHITE LAWSON which we introduced last season has given ereat satisfaction, and has proved lo be The Finesl White Carnation ever sent out. Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should be lost in placing order. We are now booking orders for early January delivery. Orders will be flled strictly in rotation as received, so the earller orders are booked the earlier deliveries can be cuttings, \(\$ 1\) per 100: \(\$ 60\) per 1000. Also the other cuttings, \(\$\) ore the sesson-Fiancee, Cardinal, Fred novelties of the seuson-Fiancee, Cardinal. Fred Burki, etc. Also the cream of older sorts-Mrs. M.
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American Florist Co.:-Enclosed please find postoffice order in payment of my subscription to the American Florist, which reaches me with regularity and often contains articles and advertisements that are of consider able interest to me in my business.
R. Cheeseman.

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Vares \\
always \\
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\end{tabular} peadougrters tor these headquarters for these
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The W. T. Buckley \(\mathrm{CO}_{1,}{ }^{\text {sprinchiel }}\) Nit.

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CACTLEYA MENDELII, just arrived in fine conOrchid. Also Lælia Anceps and Onoidium Tlgrinum, atc. Writa for spacial list No. 14.
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(GRANDIFLORA CAPE JESSAMINE.)
Our leading specialty. Natural growing conditions here ideal; size tells ita own story. We do not think they can be equaled elsewhere. 1 year, 18 to 24 -in., \(\$ 1.60\) per doz.; \(\$ 10.00\)
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For planta or hulbs addraas
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SPLENDEN: GIGANTEUM HYBRIDS, In bud and bloom, from 5 -inch pots \(\$ 2.50\) per doz.: \(\$ 20.00\) per 100. PRIMULA CHINENSIS and BBCONICA GRANOI-
FLORA, in bud and bloom rom 4 -loca pots, Flora. in bud and bloom rom 4 -inct pots, \({ }^{7} 7.00\) per 100.
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GERANIUMS. ROOTED CUTTINGS.
Fliftean varietias at 10.00 and \(\$ 12.50\) per 1000 . Send for complate price list o geranilims and carnations. ALBERT M. HERR, Lancaster, Pa,

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Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United
W, P, LOTHROP, East bridecemater,

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ROBERT GRAIG \& SOH, ROSES, PALMS,
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CyClamen \(\begin{aligned} & \text { Once transplanted, ready } \\ & \text { March } 1 . ~ S e e d ~ t a k e n ~\end{aligned}\) March 1. Seed taken froin nothing better. \(\$ 2.00\) per \(100 ; \$ 18.00\) par 1000 . C. WINTERICH, Defiance, 0 .

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We Want More Room for Large Importalions.
Cypripedium Insigne, 5,000 established unflow Cypripad lum Insigne, 5,000 established un
ered growtha, 88.00 per \(100 ; \$ 75.00\) per 1000 . Cypripsdium Callosum, 1,000 astablished un fowered growths, 820.00 per 100 .
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Dendroblum Formoaum Clganteum, The fiorists' white orch d, establiabed plants, 8 to 10 bulba. \(\$ 900\) per 12; 870 . 0 per 1 C 0.
Vende Cosrulsa, The florists' blue orchid. A rars opportunity. Estabished plaots, 10 to 1 leaves, \(\$ 15.00\) per \(12 ; 12\) to 15 leaves, \(\$ 23.00\) per 12. All clean, hasithy plants. For other quota tlons, gea our cestalogue, to be had from
JULIUS ROEHRS COMPANY, Exotic Nupseriss,
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KENTIAS, As floe slot of single and made-up planta as ever grown, 4-10., b-in., 6-in., 7-in and 8 -in. pots, at \(20 \mathrm{c}, 35 \mathrm{c}, 75 \mathrm{c}, 81.50\) to \(\$ 3.00\) esch BOSTON FERNS, 5 -inch, \(\$ 30\) per 100.
DRACAENA INOIVISA, 3, 4, 5-inch, \(\$ 5.00, \$ 10.00\) and 825.00 per 100.
ASPARAGUS PLUMOSUS, 2 and 3 -in., 84.00 and
ASPARAGUS SPRENGERI, 2 and 3 -in., \(\$ 3.00\) and \(\$ 5.00\) DEF 100.
GERANIUMS. Jean Viaud, S. A. Nutt, Castellane, John Doyle, Parkins. Single and Double,
 and cheapeat way to huy them. Quean Louise, Portia, Crocker, Goodenough, 50c per 100. Lawaon, 81.00 per 100.

GLADIOLUS BULBS, good mixture, 750 per \(100, ~\)
\(\$ 6.00\) per 1000 \(\$ 6.00\) per 1000
GERMAN IVY, 2-in., 22.50 par 100.
CASH WITH ORDER.
CEO. M. EMMANS, NEWTON, N.J. Please mention the American Fion ist when werting.

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ACERATUM, Princess Pauline and Stella SALVIA, Splendena and Jean Revanai, rooted cuttiaga, 75 c per \(100 ; \$ 6.00\) per 1000. VINCA VARIECATA, 3-in, pote, so 00 par 100. frank A. PIERSON, cromwere.

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PELARGONIUMS, 15 var., 8225 per 100. VERBENAS, 30 var., 60c oer 100: \$5. 00 per 1000. PETUNIAS, 20 var. \(\$ 1.55\) per 100 . \(\$ 1000\) per 1000 . SALVIAS, 6 V8r , 81.00 per 100,8800 oer 1000.
GIANT ALYSSUM, \(\$ 1.00\) per \(100: 8800\) per 1000. GIANT ALYSSUM, \(\$ 1.00\) pes \(100 ; 8800\) per 1000.
AGERATUMS, 4 ver., 603 per \(100: \$ 5.0 \mathrm{~J}\) per 1000. COLEUS, 40 var., 70 c per 100; 8600 per 1000. DAISIES, 81.00 per 1C0.

Exprass prepaid on sll R. C. Cash with
ordara. Write
S. D. BRANT, Clay Center, Kan.

\section*{Pansy Plants \\ Large flowering, 60c per 100: 32.50 per 1000. Par 100} Aap. Plumosus Nanus, smali plents toclose 1.75 10 Vars. Goranlums. \(21 /{ }^{\prime}\) pots and 2 -in. pots 3.00 Alternantheras, red and yellow, March 1..... 2.00 10 Vers. Colous, 2-in. pots, Msrch 1......... 2.00

JoS. H. CUNNINGHAM, Delaware, 0 .

\section*{Easter Plants \\ A SPECIALTY}

I have an incrassed stock this year, ready to bloom for Easter, including Spiræa compacta, Horibunda. Japonica and Gladsione. Chres houses [ull of cholce Azalea Indica, all sizes and prices, \(75 \mathrm{c}, \$ 1.00\) and \(\$ 1.25 ; 1,500\) Vander Cruysen:Hydrangea
Olaska. Cineraria hybrida, 6 -inch pota; Japan and Dlaska: Cineraria hybrida, 6-inch pota: Japan and Ficus Elastica 6 to 7 -inch, 8600 to \(\$ 9.00\) par doz. Ficus Eiaslica, \(\$ 1.50\) esch. Hyacinths, Tulips. Von Sion daffodils. por American Beauty, La Franca, and ROSPS, American Beauty, La France, and and at loweat prices. Watch for Special Easter Advartisament.

\section*{GODFREY ASCHMANN,}

Whatesale Grower and importer of Pot Pianls. Bell Phone Tioga 3669 A.
10i2 Ontario St., PHILADELPHIA, PA. Please mentian the A mericrn Florist when writing.

\section*{Paris Daisies.}

ASPARACUS PLUMOSUS NANUS, Extra heary, 2 in, \(2 \mathrm{c}: 3-1 \mathrm{n} .4 \mathrm{c}\)
ASP. SPRENCER1, 2 -inch, \(\$ 1.75\) per 100. HARDY PINKS, large fleld-grown, 5 sorts, 5 c . UMBRELLA PLANTS. 2 -in. fine, \(21 / 2 \mathrm{c}\).
PARIS OAISY, Giant 2-inch, 21/2c.
ABUTILONS, 4 varieties, 21/1-inch, 3c.
Rooted Cuttinga, prapaid: Hellotrope, 81 per 100. Ageratum, Gurney, Paulina 50e per 100 . Saivia, Spiendens, Bonfre, 800 per 100 Fuchsla, 5 beat varietles, 81.25 per 100. Hardy Pinks, 7 varieties, aome everblooming. 75 c per 100: \(\$ 700 \mathrm{per}\) 1000. Dbi. Patunles, 10 flagat, 81.00 per 100. Rex Begonlas, 15 sorta, \(\$ 1.10\) per 100. Alternanthera. 2 reda, yellow. \(\frac{6}{} 5.00\) per 1000. Varbenes, 75 per 100. Swainsona Albe, 75 c per lu. Tradesoantla, Artillery Plent, 750 par 100 .

BYER BROS, Chambersburg, Pa. Please mention the American Florist when writing.


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Business during the week was practically at a standstill as a result of the heavy snow storm and the severe coldi Weather which tied up traffic. 1'rices remain firm and prospects for a general improvement are encouraging, says the Oil, Paint and Drug Reporter. The market otherwise presented a quiet appearance owing to the absence of any startling news from primary points. Goon yuality and large sizes of glass are still wanted and in some instances command a promium.

\section*{Bristol, Vt.}
L. Alrion (atge lats aiscontinual the marary aturl grondonse departments of his hasimess and will confine his efforts to growing glatioli and doing a small retail musiness.
llomur flewett, who recently bonght out the fruit farm and market gardens nt A. E. Maumm, contemplates good busibess next season. He will grow stsawherries extensively. Mr. Manum, who is known as the originator of the Finormons fotato, and other standard varieties, has located at Los Angeles, C'al.

Mainvilee, Mo.-C. H. Hollied has sold ont lis greenhouse business to an lastern man.

Womester, Mass.-Dlluminating gas ascating from a leak in a man mear the greenhonses of stephen Salisbury "amsed al luss of several thomsand dolJars 10 his putints ant cut flowers.


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The Gsrdeners Chronicie, page 32, Janusry 11, 1905, stster, Vine Mildew: W. A correspondent who at our request made trial of Camphells Patent Vapor reer was thoroughly 8 satisfied with the resula. and recommends its use in glass houses in which Grap Viues, Pesches, Cucumbers, Roses, Chryssothemum snd slmilsir plants are grown. The principle consist in heating the sulphur in a vessel hsving s funnel shaped outlet the tube of which is loosety closed by
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TTHE AMMERICAN FFLORMST

\section*{Copyrigbt 1905, by American Florist Company. Eotered as Secood-Class Mail Matte \\ Published eyery Saturday by \\ AMERICAN FLORIST COMPANY, \\ 324 Dearborn St., Chicago. \\ Eastern Ofilce: 420 Sixth Ave., New York.}

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THE AMERICAN CARNATION SOCIETY. Annual convention at Boston, 1906. Albert M. Herr, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.
Annual meeting and exhibition, Boston, Mass., March \(23-26,190 \overline{\text {. }}\). Wm. J. Stewart 11 Hamiltoit plice, Boston, Mass., secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA. Anoual convention and exbibition, November, 1905. Fred. H. Lemon, Richmond, Ind., secretary

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\section*{Heredity,}
[A paper by Luther Burbank, of Santa Rosa. Cal., presented at the second meeting of the American Breeders' Association, Champaign, 111., February 1-3, 1905.]


The word beredity has a familiar sound to us now, though less than fourteen years ago it. coull not have been found in Webster's Unabridged Dictionary. It conveys a meaning which no other single werd can express, and refers to the laws by which living things repeat their eharacteristies iu their deseendants.

A knowledge of the laws of heredity, or more accurately, the interaction of the hereditary forces and euvironmental comditions, without doubt gives man more power in guiding and molding the ereative forces of mature than any other knowledge has yet, or can ever give, and as one looks back farther and still farther toward the beginning of things and the laws, or more properly forces which have led up to the prescont order of mature (which perhaps exceed all others in eomplexity), can are a brualer view by which beautiful harmonins apuear where before discord and apparent eoutradictions seemed to reign supreme

But at first sight one is almost paralyzed in making auy attempt to harmonize the various views which have been held on the subject during the last half century, and it is heartrending to know of the energies wasted on theories which had no foundation in faet, some of which nature herself would have refuted at once if approached by actual experiments with the life forees, and though wrong deluctions may be made from actual experiments, yet by these alone can the facts be finally verified, and a clearer general knowlerlge be obtained.
Weredity may be said to be the sum of all the effects of all the environ. ments of all past gencrations on the responsive ever moving life forces, or in other words, a record kept by the vital principle of the struggle onward and upward for simpler forms, not vague in any respect, but indelibly fixed by repetition. What the vital priuciple is we do not ret fully know, but we do know that when simple cells become joined together mutual protection is
secured, and that they then exhibit organized forces in new direetions which were impossible by any one of the individual cells not associated in a cell colony with its fetlows. These cell colonies will, if environment is favorable, increase in streugth, while colonies less favorably situated may be erippled or destroyed. We see this nat ural selection in all life every day all around us. But this is only one of the many forees at work in the upwari, outward and onward movement of life. It is necessary for the continued exist. ence of any speeies that it should have not ouly perseverance, but pliability, for new conditions appear where persperance on the old lines would mean extinction. The life forees in their mareh meet obstacles around, under, over or through which they must pass; various indiviluals have met different olstacles, and nature, by erossing these individuals having a slightly differing sum of euviromment or heredity, secures in their proseny orater plability in the umion
Nearly all late writers seem to over look or evon to ignore the vast importance of natural crossing. The buman intellect may well be amazed at the numerous and strprising variety of the means employed for this purpose, which alone should suggest its paramount importance in the evolution and perpetuity of all life.

Crossing is the grand principal eause of all the species and varieties of earth, sen ant air. Crossing these differing lines of heredity caused by the aetion of mast environments on the life forces proluces a vast eomplication of vital movements, habits, tendencies, or memnries if you rrefer, some of which are fixel by agos of repetition, while others are of later aequisition, each of these like hrops of varions chemieals in a pool of water elanging by so much the heredity of the smbient, all being hlemder into the whole as we see it in its present state. But past tenlencies must fande sommohat as tho new oues are adided, and as caph individual has ancestors in untoll mmbers amil as carh is bound to the others like the numerons threads in a fabric, individ uals within a spopies boy thus having vere momorous similar lines of beredity aro vory mueh alikn, yet no two are just the samb. Than in the bundles of indiviluals having similar beredities. which for convenienee are called
species, we scldom find wide variations, and for the reasous fust given, but cross two of these species and see what the result will be; sharp variations and mutations will appar, not in the first generation, as the two are bound together in a mutual compact which when maloosed by the next and succeeding generations will hranch in every lirection as the myrial different lines of heredity combine and exhibit themselves in frarious new directions as if the bundles of heredity tendencies were harst asunter by the impact and mutually arranged themselves in new and often wholly mexpected forms. Many static tendencies become dyamic under the new form of government thus proanced.

A stuly of animals or plants belonging to widely difierent species and eveu genera which have been under similar envirouments for a long time will always show a similarity in many respects in the varions means they are compelled to adont for defense in the rureservation and reproduction of life.

Desert plants often have thorns, acrid qualities aml reduced foliage surface, while in moist climates thoms are seldom seen, ant foliage is more abundant and not so often acris or distasteful. Similar environments proHuce similar results on the life forces, cren with the most distantly related flants or animals. This fact alone should he proof enough, if proof were still needed, that apquired characters are transmitted, even thongh in opfosition to numerous popmlar theories. All characters which are transmitted have once been atquired. The life forces are constantly pressing forward to oldain any space whirly can be ocenried, and if they find an open abenne always make use of it as fully as hered. ity can andapt itself to them.

Pluctuatines variations and motations in annonds and phants are all due to the combination and interaction of the varions life forees or tendeucies aml the environmental ails or olstacles which they have to meet. The life forees may be eomprared to a river constantly pressing forward; environments are the river banks which guile these forces as the lanks guirle the river, but a rock may make a ripple turning a part of the tlow aside for a moment, yet the river keeps right on its way, but if ronough rocks are phaced in one sitle of the stream, or it a new and botter channel is fouml, the whole river is turnonl. This may illustrate the hifferene between thetuating varittions and mutations of which we have heard so much of late. Mutations are only fluetuating sariations maried bryand the erition point. Other simitar illinstrations of the autions of these forres ean he drawn from the motions on ions, electroms, atoms, or phanets.
Sowond only in power to "rossing for pronturing variationsare almup ohanges of fovironment sum ins sur"ahmmance oftenol, sunshine, moisture and fremom from rampertith. Sume wh these are fromal by plants and animals from time to time in nature and always when bander Anmestaration.

Still :mother fowo lestimer to variatiense is strughe and harfolifp, but these are fatbur mative, only bringing nut
 amerestral maditions wher mor" favorable, and this bringe up atmithor matter which has aways been the "hide stmm-
bling block to a clearer knowlalge of heredity, and one of the most diffenit to moderstand and trace. Fometimes we may, for instamof, plant a pure white bean, amd reap a full harvest of hark ones, or vice rersa. These experimental facts seem to coutratiot all laws of heredity; liut not so, such eases only the more verify them. The have generally ouly to trace the matter hack to find that some of the ancostors were of the same rolor as the strange freak which appeared without apmarat canse; but still more complicated will it he When no such ancestral typי pan be fommo, and even in such a rase ratreful stuly may, and often does roveal the fact that tembencies, like thruals in a weh ot eloth had so long lome pressing for expression that when the eritieal print harl hern rearbelt the strong tenhency which had long heen werwhelmed be still stronger anes vame to the suface, but never by whace. The latent tendomies were inhornt, and by


John Seden.
(The retired English hybridizer. -hee insue of February t, page 100.)
rossing were donbled in strength or by more favorable conditions were allowed to express themselves.

Bud sports have also been a sourco of almost enlless discussion and have never been in any manner satisfactorily explained by any thenry until the parallelism of gratting and hybridizing was pointme ont, and a knowledge of dynamie and static forees in life obtained.

Grafting or bubling may le called a biomerhanico-ehmien pombination. While crossing liy seed is more of a lio-ehemical union, yet this last mion is often mor truly mechanieal than whemical as in the rase of a mosaie minon which is not musual when the woss is too abrupt. In faret every eradation from a purely merbaniwal mion to une of perfect chemisal hamb is a common every kay ocsurverer with those wha have earried nut fichl experimunts on a laroan and romprehomsive su:ile.

Inder the virws of burdity expmessed ahove the twot sehools-the Lamarkian, which "taims direct response of organization to environment and inheritance
of usefnl acquired characters-and the Darwinian which raims the working out of useful structures by the influence of selection on mall Huctuating variations are perfectly harmonized, also closing the gap, liwtween Darwin and Wallace: ant muw that harmony can be secured between the champions of these three great masters we may well turn to some more uscfint work. And right bere the words of Augnste Compté, though written seventy-eight years ago, apply so well to what I have said that they are here quoted and 1 fully and frecly indore them and am quite sure that Darwin, Wallace and Lamarck would all have done the same. He writes: "lf we conceive all possible organisms to he successively placed during a suitable time, in all imagin. able medimms, the greater part of these organisms would of necessity finally - lisappear and leave only those surviving which could satisfy the general laws of this fundamental equilibrium. It is probable that, after a succession of analogous eliminations, the biologieal harmony must have established itself little by little upon our planet. where we still see it continually modifying itself in a similar manner."

I have here given only a passing glance over some of the most prominent features of the action of the forces of heredity which too often seem not to have been placed in the right perspective to obtain a comprehensive view of the subject, and in closing would say that the intricate and most perplexing laws of evolution and heredity are now being traced ont with great rapidity, aspecially since the advent of the more general plan of direct study and experiments of the biological forces themsolves, and the generalizations drawn from rery numerous useful and painstaking special experiments on widely different subjects, and a more general knowledge that all motion, all life, all foree, all so-ealled matter are following the same law of beredity found in plants and animals, a forward movement towards attractions through lines of least resistance.


Propagating Trailing Arbutus.
Ed. American Florist:-
In your issue of February 4 you have a note on trailing arbutus (Epigæa renens). It may not be generally known that it can be very easily rooted from ruttings in the greenhouse in winter. 1 have done this at varions times. The ruttings are treated somewhat as one would a coniferous evergreen, preferably taking the cuttings some time in November before they are severely frozen. Put them in boxes of sand with a night temperature less than \(50^{\circ}\), water about twice a day and shade during the midde of the day. In about six weeks or less seventy-five per cent will be rooted and ready to pot off. In making the enttings, I ahways found that some of them had small pieces of roots on them at the time, made outdoors as the rumners lay on the ground. I have known such pieces to form new roots within ten days, coming in away aluead of those which were not thas supplied with a good start. However, the others seemed to do equally well if given time.

In taking the rooted euttings ont of the sand and in potting them up, carc must be exercised lest the heavy ball of roots filled with sand be broken off. The weight and volume of this mass of roots and sand is quite surprising to one who has never rooted the arbutus before, especially if the cuttings are left in the sand much longer than necessary.

\section*{WITH THE GROWERS}

Bobbink \& Atkins, Rutherford, N. J.
Few florists visit the neighborhood of Rutherford, N. J., without dropping in to the nursery establishment of Bobbink \& Atkins. Just now their well filled stock houses and green-


ENTRANCE TO BOBBINK \& ATKINS, RUTHERFORD, N. J.

The connecting link of this mass and the cuttings is often a slender root and it is at this point that it is liable to break off. For potting up, the best soil is that usually recommended for ericaceous plants, viz., leaf mold with a liberal admixture of sand. Although I have often rooted the arbutus, it has not been my fortune to watch the plants much beyond the stage where they became potbound, they then having passed into other hands. If it were a question of growing large transplantable clnmps for sale, I should recommend that they be planted out of doors under lath screens and kept there until disposed of
f. Hans J. Koemler.

\section*{Monmouth Horticultural Society.}

The ninth annual ball of the Monmouth Qounty Horticultural Society was held February 10 at Red Men's hall, Oceanic, N. J. It was oue of the most successful the society ever had. Over a bundred couples were in the grand march. The hall was beautifully decorated and the musie, by Wyman's orchestra was splendid. The stage was tastefully decorated with cut-flowers and decorative plants by Mr. Turner. Corsage bouquets of white roses and lily of the valley were furnished for the ladies, and carnations for the gentlemen. An claborate dinner was served at twelve o'clock. The entertainment committee deserves great credit, as the success of the ball depended mostly on them. There was a short business meeting before the ball, and William Ritchie and Frank Jenkins were elected active members.
K.

Benton Harbor, Mich.-James H. Whitney, president of the Muskegon County Horticultural Society, is dead.
houses are more interesting than usual. In one of the storage houses may be seen upward of 200,000 roses, made up largely of teas, hybrid perpetual and standard sorts. There are in the lot good quantities of the fancy sorts, including 5,000 Maman Cochet and Killarney, the stock of the latter being heavier than usual in order to meet the growing demand which the firm is meeting for this rose. Eng. lish grape plants, pot grown, are to be seen in large blocks, many of them
large in size. Clematis is quite prominent, and pot grown and standard lilacs are plentiful.
ln another house Japanese maples are to be seen in thousands, all of the dark leaf variety: and preparation has been made for a good run on Baby Rambler roses judging from the stock noticed in the same house. A peep into a house filled with specimen bay trees shows that the firm is prepared to fill orders of any size in this line. In the large palm houses, of which there are four, there are numbers of large kentias, all well grown and in the pink of condition. The stock of smaller palms is also quite extensive.

Outside and away from the regular buildings is the tub factory, which is kept continually busy. The firm makes a specialty of plant tubs, and turns out a fine grade of stock. Of course there are hundreds of varieties of plants to be seen at the establish. ment which are not mentioned bere. but in a hurried trip through the different departments one could hardly help being impressed by the bountiful stocks in the lines mentioned.

\section*{National Chrysanthemum Society.}

The French National Chrysanthemum Society, following the example of the English and American sister societies, has deeided upon issuing to its memhers a catalogue of all the varieties of ehrysanthemums known to be in cultivation in France. It will be issued in parts contained in the society's journal, Le Chrysantheme, and the first installment, which eomprises only the letter A, appeared in the December number of that publication. Further installments will appear in subsequent numbers until the whole is completed, when members ean detach the parts and have them bound separately into a little volume for reference.

The system adopted is to give the name of the variety under the surname first, as in the American catalogue, then the raiser and date of distribution, section and color. When completed this catalogue, together with the English


BAY TREES AT BOBBINK \& ATKINS', RUTHERFORD, N. J.
and American societies' lists, will be of considerable ralue to the chrysanthemum growing fraternity all oser the world.

The society has also undertaken the publication of a color chart which is in a formard state of preparation and will be completed with the names of colors in French, German, English, Spanish and Italian. This promises to be on a scalc never before attempted, each color heing representel in four different shades

\section*{PALMS AND FERNS.}

\section*{Midwinter Care of Palms and Ferns.}

Work in the palm and fern houses at this season is largely of a routine character, for during the next month or so the majority of the plants in this department are not making much growth, and in consequence of this condition dhere is not rery much potting that may lie done profitably. But in the case of plants in small pots, that are getting hadly rootbound and are suftering in color and general appearance from this cause, it is poor policy to allow surh to wait until the general spring potting, before giving them a shift, for when they become badly starved there is much time lost before they fully recover. If any large speci mens are losing color from this cause they may he improved hy an occasional watering with liquid manme, thus keep ing them in coudition until the roots begin to move more freely. After this they may be repotted and will start awas better than woult be the case were they clisturbed at this early date.

Much moisture is requires in the plant honses at this time, owing to the hard firing, and just as often as the weather will permit the plants should be thoroughly syringed; while under the benches and along the walks a good sprinkling may le given every day Red spiders brecd and spread very rap idly, and it is on aceount of this minnte pest that the most forcible spraying is required. Care most be taken to get the water uncler the foli
are, as well as on top. The broad leavel palms, of which the livistonas are the commonest example, are among the most likely to suffer from the attacks of red spider, and if any light colored patches are noted on the foliage of such palms, it may generally be taken as an evitence of spider, and an examination will show a colony of these insects on the under side of the leaf.

The scale insects seem to multiply at all seasons of the year, and eternal vigilance is necessary to get the best of them, but during this quiet part of the year there is, in most places, some spare time that may well be expended in cleaning up the stock in readiuess for the spring potting. A bristle hrush is sometimes used in this cleaning operation, but is a more dangerous tool to use than a sponge, unless it be in the hands of a very careful operator, for the bristles are very likely to scratch the surface of the lcaves, the injury showing later on. But the sponging may be done more readily by giving the plant a good soaping some Chours lefore, or even the day before attempting to sponge it, this treatment loosening the insects to a great extent.

While phonixes do not seem to be in so great demand by decorators as they were a fow years ago, still there are a good many of them about the country. It would also seem from the number of inquiries concerming it that there must be many cases of the phœnix fungus among this stock, diseased leaves having been received from many lifferent parts of the country, and many of them showing quite bad cases of this fungus. The spores of this fungus are microscopical in size, and settle in the pores of the phœnix leaf, where they germinate and develop within the tissue of the leaf, ultimately pushing up a sort of pustule on the leaf. from which the spore-bearing process of the fungns is pushed out. It is usually at this stage of the procecdings that the trouble attracts notice.

Owing to the fact that this is not an external fungus, at least not until fully grown, it will be readily under-

stood that an application of the ordinary fungicides is not likely to be fully effective, and so far there does not seem to be any absolute specific for the disease. A cool and moist atmosphere seems to favor the growth of this fungus, and it is therefore suggested that a sonewhat higher temperature, say \(65^{\circ}\), and less water overhead will tend to check the growth of the fungus and to keep the plant in a more active condition during the winter.

Phœnix Canariensis is the species upon which this fungus seems especially at home, but I have also seen it in quan tity upon \(P\). dactylifera and \(P\). reclinata. It is unfortunate for the commercial grower that one of the finest of the phœnix family, \(P\). rupicola, is one of the slowest growers as a small plant, the consequence being that this beautiful palm is less grown now than it was ten years ago. Of course it is results that the trade grower is after, and he cannot afford to wait an indefinite time to secure them, therefore a slow growing palm finds little favor.
P. Rœbelenii is again being talked of as a commercial palm, there having been more seeds and seedlings of this beautiful dwarf phonix on the market dur ing the past two or three years, the young plants showing character quite early, and being very shapely and pretty. It is still too high in price to come into general use among the retail florists.

Preparations will soon be making for the summer crop of Boston ferus and the various other nephrolepises that are included among the florists' stock, these ferns being so readily multiplied by means of their many runners. The usual practice is to plant out the stock plants on a bench, giving them about four inches of good soil of very similar character to that one would plant roses in, and in a few weeks there are likely to be some young plants that may be taken off and potted np. When first planted the nephrolepsis bed will not require very frequent waterings, but as the plants become well rooted and grow freely they will take up a great deal of water, for they should be grown in a bright and airy house in order to keep the young plants short and stocky, a night temperature of \(60^{\circ}\) to \(65^{\circ}\) being plenty warm enough.

These nephrolepises are sometimes troubled with a certain scale insect, the mature form of which is a rather flat, brown scale, but the young insects are white and at first glance resemble tiny pieces of white cotton on the under side of the frond. This insect is very destructive to these ferns, or indeed to any fern, and its ravages soon show in the form of light colored spots that appear on the upper side of the leaf, proving that the insects have been satisfying their appetites with the juices of the leaf. A dipping in tobacco extract will kill more or less of these insects, according to the strength of the dose, but strong tobacco solution is also liable to injure the tips of the fronds. The growing tips of the nephrolepis fronds are quite tender, and I would rather throw away a plant that was badly infested with this scale than to risk further trouble with it. It is, therefore, especially necessary that one should be very careful to plant out none but clean plants for stock, else the trouble will become more marked the following season.
W. H. Taplin.

\section*{MARKET GARDENS.}

\section*{Prices of Indoor Vegetables.}

The prices of indoor vegetables at leading points February 11 were as follows: New Tork, cucumbers, No. 1, \(\$ 1.50\) to \(\$ 2.25\) per dozen; No. 2, \(\$ 2.50\) to \(\$ 3.50\) per case; lettuce, 50 cents to 60 cents per dozen; mushrooms, 50 cents to 60 cents per pound; radishes, \(\$ 2.50\) to \(\$ 3.50\) per 100 ; tomatoes, 20 cents to 25 cents per pound; rhubarb, 10 cents to 40 cents per dozen bunches. Buffalo, cucumbers, \(\$ 2\) to \(\$ 2.75\) per dozen; tomatoes, 20 cents to 25 cents per pound. Minneapolis, cucumbers, \(\$ 2\) to \(\$ 2.25\) per dozen. Pittsburg, cucumbers, \(\$ 1.75\) to \(\$ 2.25\) per dozen. Denver, cucumbers, 40.50 to \(\$ 3\) per dozen. Cincinnati, cucumbers, \(\$ 2.50\) per dozen. Cleveland, musbrooms, 40 cents to 50 cents per pound. St. Louis. cucumbers, \(\$ 2\) per dozen. Chicago, mushrooms, 15 cents to 25 cents per pound. Kansas City, mushrooms, 35 cents to 45 cents per pound; cucumbers, \(\$ 2\) to \(\$ 2.25\) per dozen. Detroit, cucumbers, \(\$ 1.60\) per dozen; lettuce, 9 cents to 10 cents per pound. Philadelphia, mushroons, 25 cents to 35 cents per pound.

\section*{Seasonable Suggestions.}

To the indoor vegetable grower the past season has been dull and unpropitious in many sections, and those market gardeners who have old-fashioned glass structures with a prodigious amount of mood in their construction have been appreciably handicapped. Such a season as this has demonstrated that in growing many crops the necessity of the modern features in greenhouse construction admitting the maximum of light is essential to high qual. ity and productiveness.

Tomatoes.--In passing through several establishments the effect of the many sumless days are evident by the indifferent setting of the fruit; and while most market gardeners appreciate the importance of pollination by vigorously tapping the vines on the most favorable days, such a season as this proves the benefit of hand pollination. Where this has been faithfully performed our notes record a decided bal. ance in their favor. The season when a good amount of sun is now with us, little trouble in pollination need be anticipated if vigorous tapping of the vines on bright days are attended to. We have practiced for some years growing tomatoes for a spring crop, benching the plants early in the year as near Jannary 1 as possible. The advantage of this practice is obvious as regards the setting of the fruit. The quality Las always leen such that the southern tomatoos could hardly be considered in competition with them and the productiveness unfailing.

Similar results may still be procured from vines which have been in bearing and have reached the roof of the house; the vines may be unloosed and by carefully bending the stem the lower portion may be pegged in the bed and its top run up the support of its neighbor three feet away. By a little thought in manipulation, every string may be reoccupied and an entire house will soon present a youthful and vigorous aspect. The portion of stem attached to the bed will emit root and assist in the plant's mutrition. Needless to say, top-dressing
and applications of manure water must be forthcoming to maintain and re-es tablish the vigor

It becomes arbitrary, in commenting upon any feature of tomato growing, to make special emphasis of the serious ness of the whitefly or plant "alyer odes,' which has become such a menace to market gardeners whenever it has become established. Many do not real. ize the seriousness of this pest, and it
nation it will be necessary to continue hand pollination. The time for sowing seel for a new crop will be determined hy the disposition one makes of their houses after the second crop of lettuce. Allow three or four weeks from seed sowing to setting out in the beds.

The Hot Bens.-The value of the hot beds to the average market gardener cannot be overestimated. It is frequently the only source from which


STORAGE SHED FOR RHODODENDRONS, ETC, AT BOBBINK \& ATKINS' RUTHERFORD, N. J.
behooves everyone to adopt measures for its eradication when it first appears. Its presence is usually noted by a small white-fly when any portion of the vine is distarbed. On the under-side of the leaves in that vicinity will be found small scale-like bodies, one of the stages through which the insect passes. These should be removed and burned as no fumigation by tobaceo will injure then. Adopt every precaution to break up their increase. Tomatoes, beans and cucumbers seem to be fayorite plants, although when these become scarce they hesitate at few plants within my knowledge. Hydrocyanie acid gas is about the only suro antidote if they get established, and evervone does not care to handle a gas so deadly in its effect upon men, animals and frequently plants. For mildew, which sometimes gets in at this season, owing to injudicious airing, a dusting of flowers of sulphur will aid. It is better, however, to apply with a bellows, as a more even distribution is accomplished. For any fungous attacks Bordeaux mixture should be carcfully applied through a spraying nozzle. The maxim of all good gardeners "do it now," should be reburnished and a faithful adherence to all its teachings.

Cucumbers.-A well grown house of cucumbers presents a beautifu: sight at this season. An occasional top-dressing around the plants will be a part of the routine of culture. For top dressing we have selected good, tury soil, to which has been liberally anded well-rotted cow manure. Constant application of manure water will also be neederl. Where bees live not beeu usel for polli-
he raises his entire crop of vegetable plants both for home use and sale, and not infrequently his local trade in salads and early vegetables in spring is grown therein. In making up, it is necessary to avoid the violent heat which soon burns out and leaves it cold. To do this, some care in preparing the material is necessary. A good hot-bed should hold the heat through a considerahle period, lasting with the crop until it matures. We have found that, by mixing forest leaves liberally through the long straw fresh horse manure, throwing together and turning every other day for ten days or two weeks, if the bed is firmly and evenly made up, this desired object is assured.

There is no better time than February for starting the hot-bed either for plants or salads; the increasing sun ani lengthening days are all in favor of its success. The very choicest lettuce can be grown in the hot-berls. Our favorite date is planting sturdy lettuce plants in the hot-bed February 15, about ten inches apart, sowing Cardinal Globe radislies between the rows. Some care in airing and covering will be needed but success and profit bas always attended this operation.

Francis Canning.

\section*{English Cauliflower.}

A Nैew York firm recently received twenty baskets of English caulifower, says an agricultural contemporary, the seconil shipment of the season. It is growu on the islanl of Penzance, one of the little islands in the British channel. The leases of the caniflomer are
very long and the heads small, and it is not at all desirable. A year ago the firm handled this stock to advantage, but Long Island cauliflower is so much better that it is now difficult to dispose of the English stock. The duty was about \(\$ 6\) on the twenty baskets.

\section*{Massachusetts Horticultural Society.}

The first exhibition of the year was held on Saturday, February 11. This exhibition far exceeded those of previous years given at the same season, both in point of number of exhibits and in quality of the specimens shown. The exhibition is popularly known as the "carnation show" but in addition there were roses, violets, lily of the valley, sweet peas, cyclamen, Begonia Gloire de Lorraine and primulas. The Boston Co-operative Flower Growers' Association and the Boston Co-operative Flower Market joined with the society in making the exhibition a success by offering a number of additional prizes.

The exhibition was held in the main exhibition hall and the general effect as one entered was exceptionally brilliant. Two of the novelties which attracted general attention were the dendrobinms exhibited by Dr. C. G. Weld, of Brookline, and the Lachenalia Nelsoni from the Harvard Botanical Gardens. Among the chief carnation exhibitors were M. A. Patten, of Lowell, E. N. Peirce \& Sons, of Waverly, S. J. Reuter, of Westerly, R. I., Peter Fisher of Ellis, and H. A. Stevens of Durham. A large vase of Enchantress shown by Peter Fisher, and a vase of Mikado shown by M. A. Patten were centers of attraction. A vase of 50 Juuge Hinsdale shown by E. N. Peirce \& Sons shared the popularity.

Of the seedlings the most prominent, were the No. 113 shown by Peter Fisher, a very deep dark red; a seedling by E. N. Peirce \& Sons; seedling Helen Goddard, by S. J. Goddard, and a seedling from the F. R. Pierson Company. Of the violets William Sim was the principal exhibitor, his vase of Princess of Wales being especially noteworthy. The Waban Rose Conservatory's exhibit of Wellesley was very effectively placed and was constantly surrounded by the admiring public.
H. P. S.

\section*{Odd Items.}

The Kansas legislature of 1903 , in making the sunflower the state flower, legislated that "this flower has to all Kansas a historic symbolism which speaks of frontier days, winding trails, pathless prairies, and is full of the life and glory of the past, the pride of the present, and richly emblematic of the majesty of the golden future."
"The Italians," said a New York florist recently, 'Sare crazy about flowers. Rather than have a funeral without them a family of these people would pawn everything they owned and spend the money in wreaths and crosses. Most of all they like to have plenty of flowers at a baby's funeral-and many babies die. It is a common sight to sce three carriages full of flowers and a band of music precerling the little white casket of a baby three menths old.'

The Wyoming legislature passed a bill February 4 making the wild rose the state flower.

\section*{THE RETAIL TRADE}

Conspicuous among a lot of flowers and floral designs presented to Max Riebenack, who assumed his new duties as comptroller of the Pennsylvania Railroad Company, at Philadelphia last week, was a bunch of forty-two American Beauty roses, each rose representing a year's service with the company. Accompanying the roses was a card bearing his name, and the sentiment: "A fragrant rose for every year of service spent and a fragrant wish for every year of life to come, from all the employes of the comptroller's depart. ment."

\section*{A Floral Cello.}

This design sent by a musical organization to the funeral of one of its members was much admired. The body of the instrument was made of white carnations, the edges being outlined with white roses. The ebony parts were made of violets, the bridge and handle or back of bow of closely wrapped chenille. The keys were made of purple chenille and the strings of silver cord. The instrument rested on a base of ivy leaves. The base is a square wire design tapering from the bottom up, with probably a dozen stout wires projecting from the center about three feet high. This is a useful form to have in stock, as it will support almost any kind of frame and without much expenditure for material. It makes a green foundation that elevates and doubles the slize and adds considerable to the selling price of an otherwise ordinary piece.

Robert Kift.

\section*{New York.}

DEMAND LIMITED.
The problem of the market is the limited demand experienced on every hand for cut flowers. The present is a season when, all things considered, the buyer should be prominent, and outside of a few things the market should clean up pretty well. A very different condition is in evidence, and middlemen are experiencing considerable difficulty in giving a semblance of moving to their consignments. Many say it is the weather, and there is no doubt that the elements are somewhat to blame. The weather has certainly blocked the usual clearance channel, the street merchant, and the dump barrel is a very unremunerative consumer. With the thawing out of the itinerant merchant the congestion experienced of late will at least give way to a return of some kind of value. A little shiortage in American Beauty roses last week ran prices up to an abnormal point, but really hurt legitimate business which is toe wise to butt in under such conditions. As a consequence reaction at the opening of this week brought prices for specials to the \(\$ 50\) mark. Bride and Bridesmaid roses also got a set back, and it must be prime stock indeed, to get the maximum price \(\$ 15\), in fact the maximum for ordinary specials is \$12. Carnations are more plentiful than ever, and the fancy stock must be par excellence to bring six cents. Enchantress is very poor, and it seems hard to get more than five cents for the best. Prosperity,
and a few other leading fancy varieties pull to the maximum post only on a sorting for quality. Violets continue as last reported, moving slowly and at slow prices. Monday as a holiday, and Tuesday as St. Valentine's day gave a little impetus to the demand for violets, but prices were unaffected. The condition of other years is repeated as far as violets are concerned. Bulbous stock is very plentiful, and prices are suffering somewhat where it is necessary to clear, but on the whole prices for fresh stock are maintained.

Market, February 15.-The market conditions today show no improvement. The price is \(\$ 60\) for the best grade of American Beauty roses.

\section*{florists' club meeting.}

Monday night was carnation night at the Florists' Club, and being also ladies' night there were over two handred persons present. The carnation show was a grand one, if anything, better than previous shows of the club. John E. Haines of Bethlehem, Pa., showed a vase of his new crimson, John E. Haines. The Sea Cliff Nursery, Sea Cliff, I. I., showeli a vase of Long Island Beauty. H. Weber \& Son, Oakland, Md., staged My Maryland. Palmer \& Son, Lancaster, N. Y., showed a vase of red Lawson. Alex. J. Guttman showed the new crimson Victory to advantage. John Reimels of Woodhaven, L. I., had a vase of Variegated Lawson and another of a new seedling. F. R. Pierson Company of Tarrytown showed a vase of Mrs. M. A. Patten, a vase of the new carnation Winsor, a vase of Daheim, a vase of Variegated Lawson, and others of Flamingo and Enchantress. John N. May had a beautiful showing of Phyllis, and J. L. Dillon of Bloomsburg, Pa., showed his Crisis. Max Wieman of Bay Ridge showed a nice vase of his Max Wiemann. The Cottage Gardens' exhibition included Lieut. Peary, Robt. Craig, The President, and three vases of seedlings. R. C. Pye of Nyack, N. Y., showed his sport of Enchantress, and M. A. Patten had a splendid showing of Mikado. Outside of carnations there was a vase of magnificent long stemmed gardenias sent by Young \& Nugent, and a vase of a new pink rose sent by Peter Bisset, Washington, D. C.

The essayist of the evening was William Weber of Oakland, Md. Some routine business was transacted at the opening of the meeting. The outing committee presented a report, as also did the banquet committee. Patrick O'Mara, chairman of the committee on awards, presented a set of rules and regulations for the government and guidance of his committee. All these matters were deferred to the next meeting of the club, as well as action on the proposed amendment to the constitution. The entertainment provided by the club was very pleasing. The three young daughters of John Birnie, in Highland costume, danced Scotch dances to the accompaniment of bagpipes in the bands of a Highlander similarly costumed. H. Breining sang some excellent baritone songs, and Miss Butters gave a couple of violin solos. A substantial collation was served to the lady guests in an ante-room, and the gentlemen without got sordid comfort out of turkey well stuffed, etc. The following were elected to membership. in the club: Frank McMahon, Sea-
bright, N. J.; C. Albert Small, New York; J. F. Marsden, Far Rockaway, L. I.; Clarence Saltford, New York; and Wm. G. Muller, Newark, N. J. notes of the trade.
One hundred blooms of Victory carnation which were cut February 9 were forwarded to an exhibition in Boston, and on their return were good enough for use at a banquet at the new Hotel Astor. A handsome vase of Victory was on President Roosevelt's table at the Astor hotel on the occasion of the Lincoln banquet on Monday, and the President had another opportunity of examining Victory at his table at the banquet of the Hungarian Republican Club on Tuesday.
Charles Dietz of North Bergen, N. J., got a shock during the cold spell when a section of his boiler blew out. With prompt measures, however, he sustained little loss before repairs were made.

John Scott is serving his adopted country on the Supreme Court jury this week. No doubt he will take all the pleasure there is to be had out of a juryman's duties.
C. Holberg has moved his store from Third avenue and Sixty-third street to a better location at Third avenue and Sixty-eighth street.

John J. Frielingsdorf, the Third avenue florist, is opening a store at Third avenue and Seventieth street for his son-in-law.

Julius Roehrs and J. M. Kellar left on Friday for Charleston, S. C., en route to Cuba and other points.

\section*{Chicago.}

Cold hurts business.
Chicago and the entire west is in the merciless grip of the ice king and the coldest weather in years is recorded. The mercury went as low as \(25^{\circ}\) below zero during the week. Such conditions naturally exert a depressing influence on the market, and as a consequence business is very quiet. St. Valentine's day, which is depended upon to yield good returns, was this year frozen out and there was nothing unusual doing. Most of the viulets shipped from the eastern market arrived in a frozen or semi-frozen condition, as did many other long distance shipments. With the demoralized \(\mathrm{v}^{\text {: }}\) let mark t the day was a bitter disappointment. Roses continue very scarce, as it is next to impossible to connect with any quantity of them at one time. What few American Beauty and teas there are do not wait long for takers. Carnations are slowly increasing in supply and the quality is generally grod, although many splits are noted. Bulbous stock of all kinds is in geod supply but does not meet with much favor. Were it not for the extreme scarcity of roses, bulhous flowers would indeed be in a glut. There is a good call for greens of all kinds. Ferns are selling at from \(\$ 2\) to \(\$ 3\) per 1,000 . Shipping trade has been greatly retarded owing to the extreme cold.
florists' Club meeting.
There was a large attendance at the Florists' Club meeting Thursday evening, February 9, notwithstanding the blustering weather. Part of the cvening was devoted to hearing the reports of various committees, that of the committee having in charge the club banquet and entertainment of the Ameri-
can Carnation Society convention visitors being first in importance. Three new members were elected. Prof. A. C. Beal, of Urbana, Ill., was in attendance.

\section*{NOTES.}

The death of George Thielmann, retail florist, whose place of business was located at 323 Division street, occurred in California, February 1. The deceased journeyed to the coast about four months ago in quest of health. He was aged forty years and left to mourn his death, a widow and five children. Mr. Thielmann came from a long line of florists, be having three brothers and seven cousins in the husiness. His mother conducted a retail store in New York when he was a child. The funeral and interment took place in this city, Tuesday, February 14.


A Floral 'Cello.

George Wittbold Company reports a steady call for decorative plants, notwithstanding the severe cold weather. Both of the firm's retail stores are very busy.
E. H. Hunt reports a steady call for wire work and general supplies. The firm has been doing a nice business in tulips and other bulbous stock.

The new Benthey asters being intro. duced by the Benthey-Coatsworth Company have all the ear-marks of winners. The seed is going fast.

John Risch is wearing the "smile that won't come off." It's the Bride and Bridesmaid roses Weiland \& Risch are now cutting.
Stollery Brothers, of the Flower Growers' Market, are making a specialty of small potted Asparagus plumosus nanus.

John Deamud is in with a good supply of wild smilas, which is in good demand.
One of the timely topics now being discussed about the market is coal.

Philadelphia.
Weather inas depressing effect.
The weather the past week has been very had for transient trade so that outside of orders for special occasions there has heen little doing. There is no great amount of stock coming in as only about half crops are being gathered. When the sun does make its appearance there will be some sunburned flowers as is often the case at this time of year.
flobists' club meeting.
There was a good crowd out at the February meeting of the club Tuesday. The proceedings were very interesting. Mr. Stroud read a paper, "Some Notes On Carnation Growing,' which, although his first paper, placed him at once in the front rank as an essayist. He also gave a very interesting account of his visit to the Chicago carnation show. He was much impressed with some of the fancies and the general improvement of the whole exhibition. He also spoke of the hospitality of the Chicago florists who could not do enough for the visitors. There was a fine exhibition of cut blooms, the Strafford farms Mr. Stroud's place, staging vases of fifty each of Enchantress, Lawson, Prosperity, Flamingo, Harry Fenn, Hinsdale and Mrs. Patten. From out of town John E. Hines, of Bethlehem, brought his new red, named after himself. It is a first class flower, some of the blooms being \(31 / 2\) inches in diameter. It has a wiry stem that supports the flower admirably. It divided the honors with a vase of fifty Victory exbibited by Weber \& Guttman of New York. This is also a great red.
J. J. Black \& Sons, Hightstown, N. J., sent a few of their new white which was much admired. Davis Brothers, of Bloomsburg, Pa., exhibited Mary Albert, Crisis and a new dark pink. S. S. Pennock staged for Weber \& Sons, Oakland, Md., a vase of My Maryland, a grand white, the best of its color ever seen here. John Kuhn bad some seedlings, among them a very fine rose pink which has the earmarks of a great flower.

\section*{NOTES.}
H. Dumont has sold out his interest in the Philadelphia Carnation Company with greenhouses at Secone, to his partners, Robert Crawford \& Son. They will carry on the business. Mr. Dumont will now give his entire attention to his wholesale commission business.

Hardy ferns for fern dishes are now very scarce nearly all the available stock having been used up. The H. A. Dreer Company with an immense stock is pushed to fill orders.

The Leo Niessen Company is handling quantities high grade stock at the present time, their special Liberty and American Beauty roses being exceptionally fine.

Myers \& Samptman are right in it with American Beauty roses at the present time. They have no trouble in disposing of their specials at \(\$ 7.50\) per dozen.

The Philadelphia Cut Flower Company reports a very gratifying increase in the shipping aud out of town business which is growing rapilly.

Zimmer, of Collingswood, N. J., is healquarters for Primula obconica. His stock is well flowered.

John Savage has purchased the stock anil leasell the greenhouses of Thomas Foulls at Gwyner?
K.

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}

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\section*{AMERICAN FLORIST CO., Chtcago.}

When sending us change of address, always send the old address at the same time.

Are all the seasonable seeds started?
Sweet Peas bloom earlier in violet houses than in warmer carnation houses.
Gen. Macarthur, as an all around forcing rose, is making many strong friends.

Oxe of the well known eastern carnation growers says that this crop, when properly handled, will pay fifteen per cent on the investment.
A Botanist is wanted for the National Museum, Washington, D. C., and an examination will be held May 8 under the auspices of the United States Civil Service Commission. The position carries a salary of \(\$ 75\) per mouth and the examination will be in four subjects.

\section*{That Misfit Glass Tariff.}
the other side of the question.
Ed. American Florist:-
I do not wish to start a discussion of the merits or demerits of the tariff, but I, for one, do not want cheaper glass. I know of five parties here in New Albany (population 21,000) who are kept from starting in the business only on account of the high price of glass. There are five florists here now, aggregating \(\bar{T}, 000\) feet of glass-comments are unnecessary. Julging from the market reports, I should think that the less glass fut up this season the better for the trade in general. We do not need more competition to cut down prices, but a united effort to obtain better prices so we can pay our help enough for a decent luving. The pitifully low wages now paid the average greenhouse help is a disgrace to our profession, and yet I believe most florists are payiug as much as they can afford.

Anders Rasmussen.

\section*{Dr. Van Fleet's New Gladiolus.}

Ed. Amenican Florist:-
With reference to the itrm coneernin: my new hybrid Gladiolus Quartinianus in the London Gardening World of January \(7,1905,1\) would say that in my dessription of the hylorid in the Rural Now Yorker, of Ortoleer 29, 1904, page is:, I simply stated that my hybrid was hrol from 6 . Quartinianus supertus, a \&arden or horticultural vari-
ety of the type, raised some years ago in Europe. Although G. Quartinianus was introduced from Africa early in the eighties, it apparently has never been in commerce; certainly not in the American trade. I have never been able to procure a corm of the type species, but through the kindness of Max Leichtlin, of Baden Baden, Germany, I have secured G. Quartinianns superbus and hybridized it with G. Princeps and many other varieties of garden gladiolns, chiefly of the Childsii and Nanceianus strains. Many interesting hybrids resulted, the best of which, the cross with Princeps, 1 have described as a late blooming giant garden gladiolus. The typical Quartinianus 1 understand bas four to aine blooms. G. Quartinianus superbus has frequently twelve to fifteen blooms, but with me it is very late blooming, requiring glass protection to open the flowers. The now hybrid, however, bears as many as twenty-five blooms on the main spike, and more than one plant has had twenty-five blooms in addition, on the side spikes. If planted early in our locality, it blooms during August and September, ripening seed outside before frost. The flowers are large and open well, retaining very little of the hooded form of G. Quartinianus.
IV. Van Fleet.

\section*{A Business Opportunity.}

Ed. American Florist:-
Our valley has four towns with a population of over 20,000, La Junta and Rocky Ford, ouly ten miles apart, having about 12,000 population. The new Santa Fe shop now completed and to open February 22, will increase the population by over 2,000. There is not a florist or greenbonse in the valley, nearly everything in that line being shipped from Colorado Springs and Denver, respectively 110 and 184 miles away. A good florist can find a good opening here. Will you make mention of this for the benefit of your many readers?
W. E. Roop.

La Junta, Col.

\section*{Greenhouse Heating.}

Ed. Amehican Florist:-
Will the enclosed plan answer for a range of houses for comnercial growing? We grow a general line of stock and intend rebuilding. As yet we are undecided about the best way to set the houses. Can o-inch and 4 -inch pipe be used for steam heating, say the 4 -inch for the mains and 2 -inch in the houses, using \(11 / 2\) or \(11 / 4\)-inch pipe for returns? Which is preferable, steam or hot water?
J. J. R.

The diagram shows a three-quarter span rose house with an office at the west end; and three even-span houses, two of which would be used for carnations and the others for ceneral florists, purjoses. The houses are \(18 \times 60\) feet and lave a potting shed built along the west end. The rose house is separated by a space of about twenty feet but the others are huilt together. The boiler house is at the south end of the potting shed and some twenty feet south of the greanhouses. From the fart that a stream is shown at the south of the houses, it would appear that the land slopes in that direction. If that is
the case, the location of the boiler house will have to be on the south side; otherwise on the north side, preferably at the northeast corner. On many accounts also, it will be better to have the potting sheds at the east rather than at the west end of the houses. A 4 -inch pipe would answer for a main and a 2 -inch pipe would answer as the supply pipe for each house. While \(11 / 2\)-inch pipe may be used for the coils a smaller size mould be better.
L. R. T.

\section*{Society of American Florists.}

President J. C. Vaughan has appointed the following gentlemen state vice-presidents in addition to the list previously published:

District of Cor.mbia, Geo. H. Cooke, Washington.

Kentucky, Fred Louis Schulz, Louis ville.

Pennsylvania, W., Fred Burki, Bellevue.

Wh. J. Stewart, Sec'g.

\section*{Meetings Next Week}

Boston, Mass.-Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, Saturday, February 25, at 11 a. m. General discussion on flowers, to be opened by J. Woodward Manning.

Boston, Mass.-Gardeners' and Florists' Club, Horticultural Hall, Tuesday, February 21.

Chicago, Ill.-Chicago Florists' Club, Handel Hall, 40 Randolph street, Thursday, February 23, at 8. p. n.
Denver, Col.-Denver Floral Club, 323 Charles Block, Friday, February 24, at 8 p. m.

Hamilton, Ont.-Hamilton Garden. ers' and Florists' Club, office of member, Tuesday, February 21, at 8 p. m.
Hartford, Conn.-Hartford Florists, Club, Friday, February 24, at 8 p. m.

Huntington, N. Y.-Huntington Horticultural and Agricultural Society, Court Room, Tuesday, February 21, at 7 p. m., carnation exhilition.
Montreal, Que.-Montreal Gardeners' and Florists' Club, Alexandria rooms, 2.04 St. Catherine street, Monday, February 20 .

New Haven, Conn.-New Haven County Horticultural Society, Tuesday, February 21.

New London, Conn.-Gardeners' and Florists' Club, greenhouses of Sceretary H. II. Appeldorn, Tuesday, February 21.

Richmond, Ind.-Richmoud Florists, Club, greenhouse of member, Monday, February 20 .

Salt Lake City, Utah.-Salt Lake Florists' Society, Friday, February 24.

San Francisco, Cal.-Pacific Coast Horticultural Society, Monday, February 20.

Tarrytown, N. Y.-Tarrytown Horticultural Society, Thursday, February 23.

Toronto, Ont.-Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street, Tuesday, February 21, at \(8 \mathrm{p} . \mathrm{m}\).

Worcester, Mass.-Worcester Oounty Horticultural Society, Horticultural Hall, Thursday, February 23, at 2:30 p. m. Lecture on 'Horticultural Spe. cialties,'" by Edward O. Orpet.

\section*{Horticultural Society of France.}

The National Horticultural Society of France will hold a grand international exposition of the products of horticul tore and the related arts and industries May \(20-28\), 1905. All foreign hortculturists are invited to take part. The prospectus of the exposition, as also that of the horticultural congress, which will be held at the same time, will be sent free on application addressed to the headquarters of the society, No. 84 Rue de Grenelle, Paris.

\section*{Trade Notes.}

An English firm is offering Watsonia Arderni as "the purest white flower on earth.'
J. D. Eisele, of Henry A. Deer's, Philadelphia, Pa., is now in Bermuda recuperating

National Horticultural Council. preliminary organization committer At the conference of horticulturists held at St. Louis in connection with the World's Fair flower show last November it was suggested that a National Horticultural Council would be of immense utility and Professor Trelease, of the Missouri Botanic Garden, was charged with the duty of appointing a committee for preliminary organization. This committee is now announced as follows: Professor L. H. Bailey, of Cornell University, Ithaca, N. Y.; J. H. Hale, president of the American Pomological Society, South Glastonbury, Conn.; H. C. Irish, of the Missouri Botanic Garden, St. Louis, Mo.; J. Horace McFarland, president of the American Civic Association, Hearrisburg, Pa.; J. C. Vaughan, president of the Society of American Florists, Chicago; Professor Samuel B. Green Agricultural Experiment Station, St Paul, Minn.; Professor L. R. Taft, Agricultural College, Mich

Girard, O.-John Geddes has sold his greenhouses to William Gerke, of Cincinnati. Mr. Cedes has conducted the business successfully for a number of years.

\section*{SITUATIONS, WANTS, FOR SALE. One Cent Per Word.}

Cash with Adv.
Plant Advs. NOT admitted under this head. Every paid subscriber to the American Florist or the year 1905 is entitled to a five-liue want ADV. (situations only) (free to be used at any time during the year.

Sluatlon Wanted -By a young man as grower, 0 years experience with roses, carnations, \(\begin{array}{ll}\text { mums and } \\ \text { Address } & \text { F. W. SARBAFSKF, Kenton, Ohio. }\end{array}\)

Situation Wanted-By a florist, Swede, single, 33 years' experience in England and ode year 10 Care Christeason, 2?15 N. Hermitage av, Chicago.

Situation Wanfad-By ycuag man. in greenhouses, uaderolaads hot water and steam heating; can give All reference. Address

R S, care J. V. Phillips,
Situation Wanted-As foreman on commercial place, hest of references and 19 years' experience ingrowing Common St , Winchester, Ma

Situmilon Wantod-By young man with a few rears' \& experience in greenhouse work, in a retail Please state wages. Address

Box 156, care American Florist.

Situation Wantod-13y sober, middle aged xterisuced florist and gardrger: capable to tan ave: 100 miles from Chicago. Address

Box 161, care American Florist.
Situation Wantod-By florist with tea years experience in beauties, teas, camstions. 'mums, violets, palms, ferns and general stock. German, single, good references. Address

Box 153, care American Florist.
Situation Wanted-by a German florist, in a large cotminercial place as manager or foreman; 0 years' experience in growing cut flowers, car actions a ad roses my specialty. Address

Box 148. care America m Florist
Situation Wanted-As head gardener, well up all its branches. Al orchid grower, married, no emily, naturalized, English, aged 32. Address with particulars Box 147, care American Florist.

Situation Wanted-13y young man, German, 20 years of age, thoroughly experienced with indoor and outdoor culture: will be ready ta take private place by March 1: can show good reference from present place. Address
L. Roll, Lake Forest, 111 .

SItuation Wanted-As foreman on good sized murcia! place where growing roses for cut 1 , weirs is made a specialty. Refer to Alex. MoatMass. Address Rose Conservatomes, Nan ck

Sifuatlan Wantad-By French gardener, 30 Situation Wantad-by French gardener, so ll years on, aiagie, sober, Can furbish first-class reference. American private place in east are erred.
Address B Gerry. Hotel of Paris
Eighth St., near Olive, st. Louis, Mo.
Shluation Wanted-By Al grower of roses, car attic as, mums. palms, rebids and general line of bedding pants, also vegetables; married, wo children; capable of running any size place profitably; can build and equip greealiouses if necessary. State a articulars in first letter.
Address Box 159, care American Florist.
SItuation Wanted -Do you need reliable help? A man who is trustworthy, sober and intelligent, capable af growing cut foo ers and potted plants, am up-ta-date on designing and funeral work, position. shall extend the courtesy of giviag full particulars 10 each communication. Address Bax 160, care American Florist.

Situation Wanted-By a single mas, 30 years old, as absistrat gardener a a private estate hove experleace la cut flowers, pat plants, otablea, etc. At present time have charge of a rose section. With about 10 years' experience ia Europe; have been working 5 years in France. 3 years io a small private place and 4 years io this country. I and a whinge worker: Good habit Address care John Mung, Rogers Para, Chicago.

Holp Wanted-Rore growers. Address
Hellen Bros., New Caste, Ind. Holp Wanted-Good florist for pat truck busi-
ness. Address

Help Wanted-An A Na. 1 rose grower. Address with lull particulars.

Help Wanted-Grower's assistant, young mar with some experience in cut flowers and genera stock. Address

Sioux Falls, South Dakota
Help Wantod-T'horoughly competent you ne man to assist in growing cue lowers and plants State age, experience and wages expected.
Address Robt. E. Rtnozph, Paducab,

Help Wantad -Competent man ta grow regeta bes in quantities for large private family and otherwise assist gardener. Also man to care for six cows and be qeaerally useful in garden. Alfred Harding. Villa Nova, Pa

Holp Wanted-Man thoroughly familiar with growing decorative plants commercially, who is willing togo to Porto Rico; one who has some capital preferred Address

Help Wanted-A goad grower of carastions, chrysanthemums, roses and general stock; mus be single, sober and judustriaus. Send full par amount of wages expected. Address
Box 157, care American Florist.
Wantad-To purchase a flower store. State all particulars in first letter. Address Box 149, care american Florist.
Wantod-Cold frames. Could use 50 to 75 cold frames \(1 f\) at low price. State condition and low
est cash price. Bor 165 , care american Florist.

For Sale-Ballard's Greenhouse. \(\begin{gathered}\text { Sis. } \\ \text { Perry, Iowa. }\end{gathered}\)
For Sale-Retail flower store; good location, Chicago. Box 131, care American Florist.

Far Sale--Ahaut 9,0.0 aquare feet glass, good feeling. ane acre ground; no campetilioa. Reason for selling. rheumatism. Address

For Rent- \(\$ 50\) per month, flue greenhouses, 9,000 square feet of glass. mine and oge-half acres ar good ground bose and bra, lon lease, cash for stock, etc, afar Chicago. Address
Box 152. care American Florist.

For Sale-Five-acre tract of land, two houses
For Sale-Five-acre tract of land, two houses, in southwestern part of Ohio. Good chance to do nice business. an competition. Address

The Wayne Specialty Works, Milton, Ind.
For Sele-Nathonal cash register, all metal,
8.50 machine, guarmateed as good as new, with tape rollers, total adder, registers from one cen to fifty dollars, handle crank. Will sell for \$1~5 cash or will take \(\$ 150\) worth of palms. Address A. Lance, 51 Manroe St., Chicago.

For Sale-I a order to devate my time to mp old fashioned salve business I will sell my dwelling and three greenhouses, fully stocked, ready io go straight everything needed. Established twelve years; seven miles from Philadelphia. Address
miles from Philadelphia. Address
F. R. Matsinoer, Palmyra, N. J
For Ront-At Frederick, Md. greenhouse with No. 8 Furman boiler, and small heater large mushroom cellar, stable, about two acres of ground; drivelling for rear in immediate neighbor hood; coal, manure, labor cheap. city water; no stack on bad. Rent \(\$ 300\) per aksum, half pay abloin advance every six months. Ill health of owner compelled retirement from auccossiu business: principally vegetable a under glass and mushrooms for Washington and New York

\section*{Foreman Wanted.}

We have 10,00 s square feet af glass and 10 acres of ground. Grow curaations and bedding stack. Wat a man capable of managing such a place profitably to take entire charge. References required. Four-room cottage an the place. Promarisa may with whom help can boa yo want. Permanent position for right man

The Stiles Co.. Oklahoma City, Okla.

\section*{UNUSUAL OPPORTUNITY.}

For Sale-Greeahouse property, stock and retail business, consisting of eight greenhouses and store, about \(22,(00\) feet af glass, fully stocked and lights etc. situated in wealthiest part of Phisdelphic, riuht in center of a growing population dejphia, right in center of a growing population. opportuaty; only 83500 cash required, remainder can remain on mortormat 5 percent. To clause can remain on mortpairats per cent. To claus
asa state. Box 114 , care American Florist.

\section*{Florist Wagon For Sale.}

Built to order of the vary best material, seat and sides upholstered in leather, two windows on each side, double plate beveled glass, color of palliating, body dark Prussian blue with gold trimmings, silver trimmings on hubs, shells and ruanagg gear, wheels painted vermilion red with black stripes, silver aide lamps, eight movable helves inside, everything urst-ciass and cost eight cen months ago; rubber tires All guaranited as represented. A the wagon for florist lu large city; is very attractive. Will give six others and can do without it. Price \(\$ 75\)
WALTER BUTLER. Florist, Chillicathe, 0.

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For a considerable establishment in Germay: nurseries and greenhouses; cultowers specialty

\section*{FIRST. CLASS MANAGER, GERMAN.}

30 to 40 years, evangelic, best recommended, must understand management in geaeral and special growing of roses and carnations. Wager, 75.00 per month. share in profits, Free lodginear and fuel. A permanent poiCopies of lestimanials and references in first letter. Addie ss

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\section*{Washington.}

THE MARKET
Decorations for social events were the leading features of the trade of the past week. The death of several prominent persons occasioned a number of large funeral orders. American Beauty roses are scaree, hard to procure and ligh in price, being quoted at \(\$ 9\) per ciozen, wholesale. Liberty is more plentiful and is being largely used as a substitute for American Beauty. The supply of other roses is sufficient to meet the requirements and fine stocks of Bride and Bridesmaid, Killarney, Kaiserin and Golden Gate may be seen in the leading stores. With the exception of good reds, carnations are plentiful, grod blooms selling at 50 cents per dozen, retail, and the best go at \(\$ 1.50\) per dozen. New York violets bring \(\$ 2\) per 100; Iocal grown violets, \(\$ 1.50\) per 100. The amount of bulb stock in sight amounts almost to a glut of the market and a well-known dealer, who combines growing and retailing, has just informed me that he will curtail the produet in that line for next season. It is probable that the same course will be pursued by other growers not only with bulbs, but azaleas as well, as hundreds of them are being handicd at a loss to the grawers. There are fine specimens of rhododendron on the market which sell for from \(\$ 2\) to \(\$ 3\). The whole situa tion in pot stock may be summarized by saying that while it helps fill up and make the stores attractive and there are occasional sales of it, nobody is making much money out of it, excepting possibly those who can use large plants to advantage in decorations.

\section*{florists' club meeting.}

There was a good attendance at the regular monthly meeting of the Florists Club February 7, and considerable en thusiasm was manifested. President Gude and Vice-president Freeman of the S. A. F., spoke entertainingly of matters pertaining to the next convention. Mr. Freeman has taken an interest in getting up a suitable convention souvenir. At the meeting he exhibited a book of engravings which were considered suitable for the illus. trated features, comprising views of the principal public buildings of this city. Peter Bissett exhibited a vase of his pink seedling rose, grown at Twin Oaks, which were voted fine blooms.

\section*{NOTES.}

In Blackistone's window there is now an elaborate St. Valentine's day decoration. The center is a heart of red immortelles pierced with an arrow. This is supported by an immense pair of gilt wings-the wings of love. A sap-headed young cynic says that it is most appropriate as nonc of the girls of his acquaintance consitler love unless gold accompanies it. Mr. Blackistone is handling large quantities of New York violets, his sales on February 12 : tmountines to 6,000. He had also on that day a large amount of work for he funeral of Mrs. Colton, formerly of California. Many of the lesigns were elaborate anil beautiful.
There having been somo complaint with reference to the scant olservance of McKinley lay, it may be staten that 4. Guile \& Brother hard a handsome lecoration in thrir windorr for the oceasion. In the eenter was a pieture of President McKinley, the frame deco-
rated with bunting, while on either side there was an elaborate display of carnations. Their carnation sales for the day were good. Z. D. Blackistone also had a suitable decoration in his window.
Alex B. Garden has an extra fine quality of white lilac, rhododendrons and yellow Prince tulips. In cut flowers he is also sending in good Bridesmaid and Golden Gate roses and Enchantress, Lawson and G. H. Crane carnations.

George C. Shaffier executed a beautiful floral pallette for the funeral of a member of the Painters' Union on February 12. It was composed of Bride roses, Enchantress carnations, sweet peas, violets and freesia.
J. Louis Loose has a handsome St. Valentine's day decoration in his window, the handiwork of Fred Wolfe, Mr. Loose is showing a good stock of roses and carnations.
William Mitchell, of Gude's, is wear ing the smile-that-won't-come-off on account of the good quality of carnations which he is cutting.
Hammer \& Sons wish to deny the report published in an eastern trade paper that their stock has been damaged by frost.
S. E.

\section*{Cleveland.}

\section*{florists' CLUB meeting.}

The carnation exhibition held by the Florists' Club last Monday evening was a complete success. A magnificent display was made by the local growers, as well as those from out of town. The J. D. Thompson Carnation Company's display of Robert Craig was greatly admired by all and conceded to be a grand thing. It received the club's certificate of merit. As also did a splendid vase of Red Lawson from W. J. Palmer and son, Buffalo, N. Y. Richmond Gem was exhibited by the B. K. \& B. Floral Company of Richmond, Ind.; while the flower of this variety is rather undersized the color is fine, and it is claimed to be a wonderful producer. Certificates of merit were also awarded to the Essex Greenhouse for a magnificent display of Bridesmaid and Meteor roses. Also a certificate to the same firm for two vases of sweet peas. The J. M. Gasser Company was awarded a certificate for General MacArthur rose which was shown in magnificent form. This firm also exhibited Bride, Bridesmaid and La Detroit, all fine specimens.

The following is a list of the awards: Enchantress, first to Bate Brothers, for a wonderful vase of this grand variety with stems four feet long and flowers from 3 to 5 inches across; second, Carl Hagenburger, Meutor, O.; third, Essex Greenhouses. Lawson, first, Essex Greenhouses; second, Bate Brothers; third, Carl Hagenburger. White, first, Carl Hagenburger, with Lady Bountiful; second, J. Merkel \& Son, for White Hawson; third, the same firm for Gov. Wolcott. Red, first, G. M. Nauman, for Flaningo; second, J. Merkel \& Son, for a rose of the same varicty; third, H. A. Hart, for fine display of G. II. Crane. Light pink, first Bate Brothers, for Joost; second, Essex Greenliouses; third, II. A. Hart, for Genevieve Lord.

Bate Prothers and J. Merkel \& Son exhibited vases of mixed varicties, very fine hlooms. (f. M. Nauman bad a lot of very promising seedlings. H. A. llart showed a pink sport of finchantress of unusual size, color
resembling Joost. Carl Hagenburger displayed a fine lot of Princess of Wales violets. Bate Brothers also exhibited a splendid Iot of La Reine tulips. The judges were J. S. Wilson, Western Springs, Ill., Adam Graham, Cleveland, O., and E. B. George, Painesville, O. After the judging refreshments were served, and all had a thoroughly enjoyable time. The severity of the weather kept a good many at home, the thermometer registering \(10^{\circ}\) below zero. Among the visitors were J. S. Wilson, Western Springs, Ill.; D. R. White, Sandusky, O.; Carl Hagenburger and J. and H. Merkel, Mentor, O.; Martin Kohan kie and E. B. George, Painesville, O.
The Chicago Carnation Company's shipment of Fiancee carnation blooms for the club meeting failed to arrive on time. The delay was probably due to the railroads, the trains rumning six to twelve hours late.

\section*{BUSINESS CONDITIONS.}

Business conditions are not very brisk. Bulbous stock is hard to move at any price. Roses are short crop and prices hold up fairly well. Carnations are moving in a half hearted manner quite enough coming in to supply tho demand. Violets are slow. Green goods plentiful and going to waste. St. Valentine's day created a little stir but not enough to make any material difference to the market.

NOTES.
If the board of education acts favorably upon the recommendations of the Home Gardening Association and the executive department of the schools, there will be four more school gardens in the city next year. The experiments in this work last summer were especially successful.
W. L. Smith, formerly of Aurera, Ill., and recently with the Lake View Rose Gardens, Jamestown, N. Y., is now foreman at J. M. Gasser's establishment.

Reports from Hot Springs, Ark., indicate that Edward Graham is progressing favorably.

Eсно.

\section*{Newport, R. I.}

Trade in all lines has gathered headway the past week. The florists have had increased sales of cut flowers, as well as a large amount of funeral work. It is still very cold and the streets are full of snow and ice, which puts a stop to anything more than fair immediate business. Carnations have done better at both wholesale and retail, the best Enchantress going to customers at \$1 a dozen, and the growers getting \(\$ 4\) per hundred. Some very good Bride and Bridesmaid roses are retailing for \(\$ 1.50\) a dozen.

William B. Scott \& Company will make a specialty of assisting the headgardeners of Newport and vicinity, in obtaining good men for both greenhouse and garden work.

Hass has had a good business this week, in fact stock is getting shorter than the demand. His windew display of azaleas is very attractive.

Reed \& Keller of New York had a representative here on Thursday last looking after their customers in the supply line.
Brandt reports cut flower trade as very good. He has bcen offering some very choice La Reine tulips at 50 cents a lozen.
Zeigler has been receiving some fine Cottage Maid and Yellow Prince tulips.

\section*{Partner Wanted.}

We want you as a partner in our flower business. In fact we consider every customer of ours as a partner. We feel that the better we serve them, the better they will be able to serve their trade; and the more business there will be.

Our business is built on their business; the more they do, the more we shall do.
We grow our flowers with that idea: we sell them at prices and ship them with the promptness that idea requires. In fact our whole business is built on that idea.

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When our present stack is exbausted, Green Gsiax, the kind ynu want, will be scarce and
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Foil, Cut Wire, Corrugated Boxes, all sizes, Folding Bozes,


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FANCY CUT FLOWERS a Specialty, era at any tume or all the time, send to

\section*{CHAS, W.} mokelllar,

51 Wabash Avenue,
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western headquarters for choice
ORCHIDS. fancy valley, tulips and all BULBOUS STOCK V1OLETS, BEAUT1ES, TEA ROSES, and CARNATIONS. Wild Smilax, Asparagus, Adiantum, Smilax, Fancy Ferns always in abundance. Also a complele line of all Florists Supplies, Novelties and Wire Work. Long Distance 'Phode, Central 3598 Automatio 3633

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WHOLESALE FLORIST.
Room 18, 128 E. Third St, CINCINNAT, 0.

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American Beauties and all leading varieties of Roses and Carnations.
All fowers sold at prevalling market prices,
Orders reoelved and filled at Greenhouses II deaired, by addreasing

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\section*{WM. DILCER, Mof.}

Fancy and Oanger Ferns.
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LARGEST GROWER
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AMERICAN BEAUTIES-
Per doz.
\begin{tabular}{|c|c|}
\hline ERICAN BEA & Per doz. \\
\hline Extra Select. & ... 8600 \\
\hline 30-inoh stems. & . 5.00 \\
\hline 24-lnch stems. & . 3.00 \\
\hline 20 -inoh stems. & 2.50 \\
\hline 15-1noh atema. & . 2.00 \\
\hline 12-inch stems. & 1.50 \\
\hline Shortstema. & 75@1.25 \\
\hline & Per 100 \\
\hline
\end{tabular}

LIBERTY. . . . . . . . . . . . . . . . . . . . . . . . 88.00 to 15.00
CBATENAY.......................... . . 8.00 to 12.00
MAIDS AND BRIDES............ . 8.00 to 10.00
PERLE... 8.00 to 8.00

UNCLE JOHN 8.00 to 12.00

SUNRISE. 600 to 10.00
CARNATIONS 2.00 to 4.00

Aif flowers are perfectiy iresh and properly packed No charge for P. \& D. on orders over \(\$ 5.00\).

Slease mention the A mer tan Foosst athen writing
AMERICAN BEAUTIES.
Cut Roses-Amerionn Beauties and aif kinds of Tea Roses at loweat prices. Trial orders sollolted.
HELIER BROS., New Castle, Ind. South Park Floral Company

\footnotetext{
Lansing, Mich.-The greenhouse of Charles E. Holmes was damaged by fire February 3, to the extent of several hundred dollars.
}

\title{
Wietor Brothers, \\ 51 Wabash Avenue, CHICAGO.
}

\section*{WHOLESALE CUT FLOWERS.}
-current prices. subject to chance.-

\section*{AMERICAN BEAUTY.}

ROSES.
Per 100
Brlde and Mald..
Moteor ond Cate.
Liberty ..........
6.00 to 810.00

8 -Inoh stam. 5.05
6.00 to 10.00

CARNATIONS-Good stock
6.00 to 1200

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We will take care of your orders at reasonable prices. Promptattention. 51 Wabash Ave. CHICACO, ILL. Please mention the American Florist when writing.
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Order your atock where it will be flled with care and dispstch. The most successful growers of cut flowers, sre those who sell their own stock. Give us your atanding order.

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\section*{A Daily Cut From 40 Growers}

We can sud will \(6 l l\) your Cut Flower wants to sdvantage
Plenty of BEAUTIES, MAIDS, BRIDES, etc,
CARNATIONS, VIOLETS, etc. ALL GRADES.

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15 Provinoe etreet． All Variotias FLOWERS In Season．FANCY and DAGGER FERNS． FLORISTS＇SUPPLIES all kinde Long Dlatance Telephone，6268－6267 Main．

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These are the true variety． 75 c per \(100 ; \$ 600\) per 1000 ． Now is the time to buy KAISERIN and CADNOT，for early summer flowering，24－inch pots， 84.00 per 100；\(\$ 35.00\) per 1000.

BRIDE and BRIDESMAID，214－inch pots， 4.00 per \(100 ; 835.00\) per 1000
W．H．ELLIOTT，

\title{
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\section*{Wholesale Fiower Markets}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Boaton，Feb． 15.} \\
\hline \multicolumn{2}{|l|}{Roses，Beauty，best．．．．．．．．．．．．．．．． 8500 600．00} \\
\hline medium． & 30．10＠45．00 \\
\hline ＂＂culls & 6．00＠ 800 \\
\hline ＂Bride，Bridesmaid．．．．．．．．．．． & ¢00＠ 6.00 \\
\hline ＂Extra．．．．．．．．．．．．．．．．．．．．．．． & 8.0 ＠ 12.00 \\
\hline ＂Liberty． & 1.0008 .60 \\
\hline Carnations． & 15002.00 \\
\hline ＂Fancy． & 2．00＠3．00 \\
\hline Lily of the valley． & 3．00＠ 4.00 \\
\hline Smilax．．．．．． & \(8.00 @ 12.00\) \\
\hline Adiantum & 1.00 \\
\hline Asparagus & 35．00＠50．00 \\
\hline Violets．． & ．35＠． 50 \\
\hline Philadelaphia，Feb． 15. & \\
\hline Roses，Tea． & \(8.00 @{ }^{+0.00}\) \\
\hline ＂＂extra & 2．00＠1500 \\
\hline Liberty．． & 8．00＠35．00 \\
\hline ＂Queen of Edgely，extra．．．． & \(4000 \bigcirc 600\) \\
\hline ＂＂\({ }^{\text {＂firsts．．．．}}\) & 15．00＠25．00 \\
\hline ＂Beauty，extra & 40．00＠60．00 \\
\hline ＂frsts． & 15．00＠25．00 \\
\hline Carnations． & 1．50＠ 6.00 \\
\hline Lily of the valley & 3.0006 .00 \\
\hline Asparagus．． & 25．00＠50．00 \\
\hline Smilax．． & 12．00＠15．00 \\
\hline Violets，ain & ．25＠． 40 \\
\hline ＂dou & ．35＠b． 60 \\
\hline Adiantum． & ．75010 1.50 \\
\hline Gardenias & ．16＠． 20 \\
\hline Mignonette． & 3.0008 .00 \\
\hline \multicolumn{2}{|l|}{BuFfalo，Feb． 15.} \\
\hline \multicolumn{2}{|l|}{Roses，Beauty ．．．．．．．．．．．．．．．．．．．．． \(10.00 \times 6000\)} \\
\hline ＂Bride，Bridesmaid，Meteor．． & 2．00＠12．00 \\
\hline Carnations．．．．．．．．．．．．．．．．．．．．．．．．．．． & 2．00＠4．00 \\
\hline Harriaii． & 15.00 \\
\hline Lily of the valley． & 3．00＠3 5.00 \\
\hline Asparagus，strings． & \＄0，00＠5000 \\
\hline Smilax．． & 1500 \\
\hline Adiantum．．．．．．．．．．．．．．．．．．．．．． & ．75（b） 1.51\()\) \\
\hline Lilium Longiforum & 500 \\
\hline Violeta & ．50＠1．25 \\
\hline
\end{tabular}

Pittsburg Florists＇Exchange，

\section*{WHOLESALE FLORISTS} and Fiorists＇Supplies．
228 Diamond Sti，PITTSBURG，PA． Send for weekly price list and prices on targe orders．．

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Shippera of choice Cut Flowers and Greens of all kinds．Try us．
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Siermit \(\$ 1.00\) für mein \(\mathfrak{a b o n n e m e n t .}\) Es ift Die giflidt eine seden prompt für ben „⿹勹巳merican florift＂zu bezaglen，tweil Diejer eine abjolute gothwendigleit für jeden \(\mathfrak{B l}\) mmenzuidter ift ．
©arl \(\operatorname{Rocgner.~Mabama.~}\)

R．C．HAYDEN，Secty and Treas．
WM．J．MUTH，Manager．

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PHILADELPHIA CUT FLOWER CO．
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CHOICE BEAUTIES，MAIDS AND BRIDE ROSES， FANCY CARNATIONS，TULIPS，DAFFODILS

\section*{AND ALL OTHER SEASONABLE FLOWERS．}


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Am．Florist Co．：－It gives us pleas－ ure to say that each year we have traced business resulting from our advertisement in the American Florist，this being our second year advertising in your paper．Our con－ tract for the year wlth you ends soon and we expect to renew the same for another year．

Albany Steam Trap Company．

\section*{BERRGER BROS．phoikgit} Bell and Keystono＇Phones． 1220 Filbert Street，PHILADELPHIA．
Please mention the A merican Flonst when wruting．

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are the aucceaful growera who advertice Indonsistisuts
}
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\title{
Jos.S.Fenrich
} 48 W. 30th St, NEW YORK.

\author{
Tolephone 325 Madison Sq.
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CATTLEYAS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelHes. With our long experience in shipping, and competent assistants in customers who place their orde:a with us that they will not be disappointed.

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MOORE, HENTZ \& NASH Wholesale Commission Florists, 55 and 57 West 26th St., NEW YORK CITY. Advice of sale pote daily. Statement and check weekly. All consiguments large or small receive the
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Folophones 2200 and 2201 Madison Square.
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Epeclal American Beaulles, Surpassing Carnatlons, Lily of the Valley, Orchids add all Seaconable Flowers.
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Wholesale and Commission
Consignments soliolted. Shippiag orders promptly attended to. 'Phone 626 Madison.

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John I. Raynor,
Are the best product of the beat growers for the New York Market.
ADIANIUM CROWEANUM sold here exclusivaly.
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Conservatory connected from which I can ship feras and decorative plants promptly.
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NEW RED GARNATION
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Coogan Bidg., 6ih Ave. \& W. 26lh St., New York. Open for Cut Flower Sales at 6 o'clock Every Moroiog.
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Orders for flowers in any form carefully filled and detivered by special messenger on board any steamer on day of departure from New York.

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MILWAUKEE, WIS.
Will take proper care of your orders io
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Establlshed 1857.

\section*{The Geo. Wittholl CO. 1857 Buckingham Place, CHICAGO.} Growera and Importers. The oldestand lesting houre In Central and Weatern United States. Ordera Got Prompt attention.

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Cor. MIAMI and CRATIOT AVES. detroint, mchl.
Artistic Designs.eytete High Grade Cut Blooms.

We cover all Michigan points and good aections of Ohid, Indiana and Canada.
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Mail, telegraph or telephone orders filled promptly in best style.

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Mark Aitken FLORIST.
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HOLM \& OLSON, ST. PAUL.
the leading florists of the n. w.
Orders will be well cared for anywhere lo Mindesota and the Dakotas.
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Corner Wabash Ave. and Monroe SI. Chicaco.
Orders for Wedding Decorstions, Receptions Fuberal Deaigns and Cut Flowers and Plants in every shape exscuted with care and despatch. Leading Chicago Petaller.

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COR. FULTON \& LAGRAVE,
Grand Rapids, Mich. WHOLESALE and RETAIL FLORIST. High-Grade Cat Blooms. Carnations, Roses, 'Mums, Violets, Etc. Choice American Beauties a Specialty. Artistic Designs on Short Notice. Good Shipping Facililies to all Michigan Poinls.
- A TRIAL ORDER SOLICITED.-

\section*{JOHN WOLF, \\ Wholesale and Reiall Florist,} SAVANNAH, GA.
Daper White Narcissus and Roman Hyacinths.
\(\$ 2.00\) per hundred, in any quantity.
Long Distance Telephone Connections.
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WILLIAM L. ROCK FLOWER CO.
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Cut Flowers, Floral Designs, Decoralions.
Tt lephone 1087. All mail, telegraph or telephone orders promptly and artiatically tlled.

\section*{Le Moniteur d'Horticulture}

For Horticulturists and Orchid Growers.

> Edited at Paris by

Lucien Chaure and Otto Ballif.
The ropresentative Gardeuing Papsr of French Florists, Sesdsmen and Nurserymen. Sample coples fres. The largest oirculation in France, Belgium, Italy and Switzerland. Twles every month. Subscription per year: With the colored plates, 82.30; without the colored platss, 81.20 .
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\section*{DREER'S SPECIAL OFFER}


Azalea Madame Van der Cruyssen.
As we are not handling Azaleas for Easter this season we offer a flne lot of this most valuable variety in fine bushy, well buddes plants to close out quickly.
 12 to 14 -inch crawns........... \(6.00 \quad 45.00 \quad 18\) to 20 -inch crowns.......................... 2.00 Outside of the abave we have nathing left in Azaleas except a limited lot of mixed Outside of the abave we have nothing left in Azaleas except a limited lot of mixed
NOTE - The above prices are practically the same as those
Note.-The above prices are practically the same as those at which we book import orders, they are made low to move the plants at once, the stock is of good
quality, but is limited; speak quickly if you want them.

\section*{Azalea Mollis.}

An unusually fine lot of well-hudded plants 15 to 18 inches bigh. A plant that is rapidly gaining favor for early and late foroing; it is prodtable stock for the retaller to handle, as it can be grown at a minimum cost for beat and labor. \(\$ 4.50\) per dozeu;

\section*{Deturias, FOR, FORCINC,}

Strong, shapely, 2-vear-old fleld-grown plants, suitable for 6 Inch pots.
Gracilis Rosea 81.00 per dozen: \(\$ 800\) per 100
Gracilis Lemoinel, 81.00 per dozen; \(\$ 8.00\) per 100 .

\section*{Forcing Rhododendrons.}

For a late Easter will fill a vacanoy where Azaleas cannot he retarded; they are becoming more popular every season; you will find it profitable to try these. We are carrying an estra large stock of bushy, well-shaped plants, covered with buds, 16 to 18 iuches bigh, 8900 per dozen; \(\$ 7000\) per 100 . 20 to 24 inches high, fine specimens, \(\$ 11.00\)
per dozen; 890.00 per 100 . yer dozen; \(\$ 80.00\) per 100.

\section*{The Baby Rambler Rose \\ MME. NORBERT LEVAVASSEUR.}

The most valuable bedding rase yet introduced. A plant which will be in strong demand for a long time. We offer good plants suitable to use for atock plants. oneyear feld-grown, sultable for 4 -inch pots, \(\$ 5.00\) per dozen; \(\$ 35.00\) per 100 .

Primula Veris Superba.
An excellent plant for forcing inr early spring that meets with ready sales, strodg plants 75 cents per dozen: \(\$ 600\) per 100 .

\title{
KENNICOTT BROS. COMPANY
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40-42-44 Randolph St., CHICAGO.
Our reputation has always been that we fill orders when others fall. All stock in season at Lowest Markel Rates.

\section*{The Seed Trade.}
american seed trade association.
Chas. N. Paqe, Ihes Moines, Ia, Pres.; L. L. May, st. yinh, Minn. First Vice-Pres.; E. Kendel, cleveland, o.sec yand reas. Twenty-third anmual convention

What about vine seed prices?
Sweet Peas in the cheaper mixtures are scarce.

Carthage, Mo.-Newell Mix opened a seed store February 10.
Nott's Excelsior and Gradues peas are plentiful so far this season.

Mall trade in the west has been very slow the first ten days of February.

ONION SET prices ruu about as follows: White, \(\$ 3\); yellow, \(\$ 2.40\); red, \(\$ 2.50\).

The pea growers returning from the canners' convention report light business, also sales of sweet corn.

Avon, N. Y.-If this village will exempt the Cleveland Seed Company from village taxes for ten years, the Cape Vincent plant will be moved here.

Toledo, O.-J. L. Schiller, formerly with Henry A. Dreer, of Philadelphia, Pa., is now with the Henry Phillips Seed \& Implement Company, of this city.

Cotton Planters in many southern states are pledging themselves to reduce their cotton acreage twenty-five per cent and devote reduction to other crops.

The return of the Japanese bulb men a month later than usual this year may presage a slight advance in prices owing to the scarcity of labor caused by the war.

Philadelphia, Pa.--W. Atlee Burpee and wife have returned from a four weeks' trip in Mexico. Mr. Burpee secured several novelties in the way of canes and both enjoyed the trip very much.

Visited Chicaoo: F. H. Henry and Robert Fulton, of Henry \& Lee, New York. Mr. Henry's wife accompanied him, and Mr. Fulton is on his way east from Japan; Trimble McCullough, son of J. Charles McCullough, Cincinnati, O.; J. A. Robinson, representing the Jerome B. Rice Seed Co., Cambridge, N. Y.

Royal Dutch Bulb Growers' Society.
The seventh annual quinquennial bulb show of the Royal Dutch Bulb Growers' Society will be held at Haarlem, Holland, March 17-21. This exhibition, the jurors of which are chosen from the most renowned horticulturists of England, France, Germany and Holland,

\section*{3,700 acres of garden seeds in cultivation.}

\section*{Brastan Seed Growers Co,}

\section*{Wholesale Seed Crowers.}

SAN JOSE,


Jos. W. Bailey, of Texas.


Henry Cabot Lodge, of Massachusetts. SENATORS OPPOSED TO GOVERNMENT FREE SEEDS.
promises to be of keen interest, especially to bulb growers, and affords a good opportunity to note the progress made by the Dutch growers in this important branch of horticulture. For further particulars apply to Secretary Johs. De Breuk, Jansstraat 55, Haarlem, Holland.

Breeding Disease Resistant Plants.
In a paper by W. A. Orton, plant pathologist of the United States Department of Agriculture, presented at the second meeting of the American Breeders' Association, Champaign, Ill., February 1-3, 1905, we find the follow: ing on breeding disease-resisting plants, which will be suggestive to seed growers:
"It has been found that to secure disease-resistance requires only the application of the well established laws of plant breeding as laid down by our best authorities, and that we peed to work along lines similar to those followed to secure flavor, size or productivity. The first effort should be through selection, but if the varieties desired do not exist they must be brought out by hybridization and fixed by careful attention during a series of years. The individual should always be the unit, and careful attention should be given to the transmission of the characters, since some plants, though resistant themselves, fail to produce resistant progeny, while others do so completely.
"Watermelons in the south are very subject to wilt, and commercial crops are rarely grown more than once in the same land. Resistance was in this case difficult to secure by selection, as thoroughly resistant plants could not be found. The stock-melon or citron is resistant, and by hybridization with the Eden melon a resistant variety has been nearly fixed, which will combine the hardiness of the stock-melon with the delicate flavor of the watermelon. A good crop was grown this year on land where the ordinary melon could not be kept alive."

\section*{Free Seeds and Chicken Feed.}

A somewhat caustic but quite judicious friend observes that the government free seeds properly selected and combined make excellent chicken feed. We have no doubt of it. But why should the government show such partiality for the poultry business? Why not also let us have free hay and oats for our horses and free gasoline for our automobiles? If we are going to have a paternal government of that sort ought not papa treat all the boys alike?-New York Times.

Salem, Mass.-The conservatory of McGee, Geary \& Company was damaged by fire on the night of February 4. The store is located in Mechanics' Hall, in which is also located a leading vaudeville theatre.

\title{
Bermuda 0nion Seed
}

Orders for the above should be sent as early as possible to

\section*{PETER S. REID, Dort Orotava, Teneriffe. \\ \section*{TELEGRAPIIC ADDRESS: Reid Puerto Cruz.}}

Codes used, Western Union. A. B. C. 4th Edition.
Who is much the oldest shipper and guarantees all his seed to be of the season's crop. The supply being limited and the demand rapidly increasing orders will be executed in the order in which they arrive and those coming late have little chance of being filled. All orders must be accompanied by Bankers' reference or remittance.

\section*{Northern Star Potato.}

Having grown several acres of this wonderful Potato last season, when it sold at \$1000.00 a ton, we can supply the true stock, in especially prepared, iron bound, well ventilated cases of 100 lbs . net, F. O. B. Southampton, \(\$ 3.00\) per case.
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30 BULBS
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Tuberous Begonias For \(\$ 1.00\) Postpaid.
See last week's issue for prices by the 100 . HUBERT \& CO., N. Le PAGE, MT. VERNON, N. Y

\section*{Alfred J. Brown Seed Co} -Growers or
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Grand Rapids, - Mich.
SEED GROWERS
Field, Sweot and Pop Corn, Cuoumber Melon end Squaeh Seed.
Write as before placing contrasts. We bave superlor stock seed and can furnish you good seed at reasonsble prices. Address
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Present season crop. 250,000 at 82.25 per 1000 in quantitles to suit. Early orders sollcited. Dellvery in February.
Rees \& Compere, LONG BEACH, CAL., R. F. D. No. t.
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Been grown 48 ins. bigh. Finest aster in existence. Blooms 5 to 6 ins. in dimmeter; full centers; bitions in Canada, taking everythlag befare it Calors: White, Daybreak and mixed; \(\$ 2.00\) per 1000 seeds. No ngents.

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\section*{Circulation which Circulates}

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present value and are preserved for reference. Advertisers who use regularly our columns estab8) lish permanent business with the best trade in the United States.

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Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS. GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPCR WHITE GR., ETC. Ask quotations from our traveler

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Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.
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F you garden you want tee Best,-and we shall be pleased to mail you Burpee's Farm ANNUAL FOR 1905, an elegant now book of 178 pagos, which tells the plain truth with hundreds of illustrations, besutiful colored plates, and describes superb noveltes of unusual merit.
If you garden for proft or are a florist you should also have Burpee's "Blue List or Wholesale Price-List for Market Gardeners and Florists.

Write TO-DAY! A postal card will do, while it is sufficient to address simply \(B+R P E E, ~ P h i l a d e l p h i a . ~\) W. ATLEE BURPEE \& CO., The World's Largest Mail Order Seed Trade

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WHOLESALE SEED GROWERS Seeds for present requirements ready to ship Contract orders for delivery after harvest 190 are being booked now, Boans, Paas and
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Deutsche Gartner Zeitung
The most widely circulated German gardening Journal, treating of all departments of hortioulture and foriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.
Moller's Deutscbe Gsrtner Zeitung is published weekly and riohly illustrated. Subscription \(\$ 3.00\) per andum, inoluding postage. Sample copies iree.
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\section*{Telegraph Code}

Am. Seed Trade Association

\section*{\$2.00}

In either stiff of flexible cover. Address orders to AMERICAN FLORIST CO., CHICACO.


\section*{The NurseryTrade}

AMERICAN ASSOCIATION OF NURSERYMEN.
E. W. Kirkpatrick, McKinney. Tex., Pres. C. L. Watrous, Des Moines, Ia., Vice-Pres, George C. Seager, Rochester, N. Y., Sec'y.
Springa, Ind., June, 1905.

Miluatife, Wis.-August Rhotert, of New York, was a visitor this week, leaving for northern points.

Paw Paw, Mich.-The Michigan State Horticultural Society will hold its midwinter session here, February 23 and 24.
Fort Dodege, \(\mathrm{I}_{\mathrm{A}}\).-A tract of 68 acres of land has heen donated to this city by Hon. O. M. Oleson, to be used for park purposes.

August Rhotert, of New York, who has been calling on his customers the past three weeks, reports the trip so far very satisfactory.
La Crosse, Wis.-The citizens of Baraboo wish to establish a park at Devil's Lake. A bill is now before the legislature to that effect.
Croonston, Minn.-The convention of the Red River Valley dairymen, poultrymen and horticulturists occurred at this place, February 2 to 4.

A section of the biggest cherry tree on the Pacific Coast will be a feature of the Sacramento, Cal., exhibit at the Lewis and Clark Centennial. The tree was planted in 1850, and was three feet in diameter when cut down a few days ago.

San Francisco, Cal.-Horticultural Commissioner Cooper of this state, recently imported from southern Europe 1,200 specimens of parasites which are known to prey upon the codling moth. The specimens will be used for breeding.

Madison, Wis.-The meeting of the State IIorticultural Society February 6 to 7 was attended by 200 horticulturists. President Loop, of Eureka, and Secretary F. E. Granfield of Madison, read their annual reports. The trial orchards established by the seciety, and also the fruit exhibit at the St. Loonis fair were discussed.

Durant, I. 'T.-The Durant Nursery Company has been organized here with a capital stopk of \(\$ 25,000\). The officers are as follows: President, C. C. Mayhew; vice-president, A. Frank Ross; secretary and general manager, W. R. Collins; treasurer, E. F. Rines. The directors are C. C. Mayhew, W. R. Colling, E. F. Rines, A. Frank Ross, James L. Shuter and Edward Rines. The new company has made application for incorporation and alsorbs the nursery and interests of the Texas Nursery Company, of this place. Nearly 100 acres will be covered by the nursery.

\section*{Literature of Outdoors.}

How country life is attracting a greater number of Americans every year is shown in no clearer way than by the increase in periodicals devoted to its varions phases. As to books on topics of this kind, each season brings
them in greater numbers, until it seems as if the whole population must be interested in the country to the extent of buying books and periodicals on the subject. The easterner is told by one writer how to build a log cabin, and by another how to run a duck farm on a pond. Mountain cottages, lake cottages, forest cottages, are described in a manner that makes the reader long to abandon the steam-heated flat for a breezy country home with chinks between the logs and holes in the roof. -Portland Oregonian.

\section*{Texas Umbrella Tree.}

The Texas umbrella tree (Melia Azedarach umbraculiformis) is a sub-variety of the Chinaberry tree, Pride of India, etc., and probably originated in Texas. Its branches are erect and in a manner radiate from the trunk, and with its drooping foliage the tree strik. ingly resembles a gigantic umbrella. It grows very rapidly and its bright green


Tenas Umbrella Tree
(At P. J. Berchutan, Company"s. Augusla, G: )
tinted foliage, which is retained until late in autumn, and lilac colored, fragrant flowers which are borne in great profusion and followed by yellow berries, make this tree very valuable and desirable for the south. It will stand a low temperature, but a cold of below zero will injure it to some extent.

\section*{Baltimore.}

More snow, more hail, more sleet! This is the record. Streets are filled with ice and slush, carriages and trolley cars are obstructed; pedestrians find locomotion diffeult and dangerous. Shopping is done by strategy, between the varying phases of weather, bad, worse or worst. Naturally, social fes tivities are not indulged in to the extent the growers and store people would like to see, it bcing often problematic how to reach the scene if invitations are accepted. A good many minor events, all calling for some decorations, are nceurring, but there were no great functions during the week. The funeral demand continues abont as usual, there having been no heavy extra ralls lately in that direction. Most cut fowers are over-abundant for the needs of the market, certainly caruations and
violets have been. Good roses continue scarce, American Beauty being still noticeably short in quantity and poor in quality. The climatic conditions are against the street men, and that outlet is closed.

The Florists' Exchange, notwithstanding the untoward conditions achieved a record January business this year, the increase being a very neat percentage over previous years. Work was done at some disadvantage there for some days. John J. Perry, the manager, was compelled to do jury duty for a week or two and was then kept at home caring for his son who broke both bones in one of his arms in a coasting accident. The staff, however, kept things in good shape until the normal situation was resumed.

John Eberhard, 505 N. Howard street, recently lost his wagon as well as the load of plants it contained in transit to his store from his greenhouses by a coal oil stove which had been put in to guard against frost, taking fire.
S. B.

\section*{Montreal.}

The week just ended was one of the busiest and most profitable that the Montreal florists have had for a long while. The vice-regal party was in town, and the elite of Montreal did themselves grand in entertaining the governor-general and his charming wife. Flowers were used extensively at all the functions, both private and public. The two principal public functions were the civic reception and the reception at the board of trade. Both buildings were elaborately decorated for the occasion, the first by the city gardeners, the material used being the product of the corporation greenhouses, consequently not calling for any direct outlay for floral decorations from the city treasurer, but actually costing the citizens more than if a gilt-edge decorator were imported from New York with instructions to bring his material with him.

George Robinson, the popular president of the C. H. A., is receiving congratulations on his election as a municipal councillor in Outremont. Mr. Judge, another florist, has been elected councillor in St. Paul, which makes three of the craft enjoying municipal honors, J. MeKenna being a councillor in his suburb for several years.

The Gardeners' and Florists' Club is making arrangements for the carnation show which will be held during the third week of February. Several trophics are to be awarded, as well as certificates.

LUCK.

Manchester, Ia.-C. L. Adams will erect a new greenhouse in June, connecting it with another house now in use. A boiler house will also be added.

\section*{Vinca Major Variegata.} We have several hundred of this excellent
vine, last year's field clumpa, full of ends, from 3 inch pots, 85.00 per 100
from
Our 1905 Wholesale Catalogue of Chrysanthemums
and other Tender and Hardy Plants has been mailed. If not recelved, drop ua a postal. It contains many bargains.
MATHAN SMITH \& SON, Adrian, Mich.

\section*{Silver Ribbon Girass}

The new hardy perennial. The fioest ornamental grase to be had-perfectly hardy can be used iodoors and out, grows rapidly and does not turn green or rue to seed. Strong field-grown roots, 15 c each by mail, postpaid. \(\$ 1.25\) per dozen; \(\$ 8.00\) per 100 by express, charges. not prepaid. Can fill with orders any time. Terms cash with orders.

\section*{James Vick's Sons, \\ ROCHESTER, N. Y.}

\section*{W. van Kleef \& Sons,}

Whotesale Crowers of all kinds NURSERY STOCK. BOSKOOP, HOLLAND, Catalogue iree on demsnd. No Agents. Plesss

\section*{Beautiful Grounds.}
ab illubtrated Manuel contajning suggestione Lswn Mekiag, Plantiag and cere of Shrubs los hardy, with asmes sad descriptions of varieng Landsespe Plaos, T'opographical Surveya, etc. A book you will often refer to. Send for it to-dsy. Free on spplicstion
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\section*{(BRANCE AT BOSKOOP)}

Wholesale Girowers of Hardy pacasy aursery stock, pot-grown forcing pleata a specialty. Berlin and Hamburg Valley-ihe beet quality. Catalogue lree on demand. When in Europe plesse iospect our nurserles. MMADEM-8USSUM, cear Amsterdam, la eor M. A. Depot.

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100,000 well grown plsits, 3 to 4 feet, selected 4.00 per \(100 \quad \$ 55.00\) per 1000 . \(21 / 4\) to \(3 K\) fest, 7 or more brsaches, 82.50 per 100: \(\$ 17.50\) rer 1000: 20 to 30 in. +5 or more brsnches, 28.60 per 10081300 per \(\$ 150\) per 140.8700 per 1000 . All of the sbove boxed, i. o. b. here. For car or large lors wrile before plscing your orders.

CRAS. HLACK, Hightatown, N. J.

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DEUTZIA GRACILIS, Fot- Dach Doz. 100
 DEUTZIA LEMOINEI, pot grown for 7 -inch pots. AZALEA MOLLIS, mixed kinds, 20 buds
RHODODENDRONS , forcing, busby plants, 8 to 12 buds.............. ... 1001100 For forcibg, large plants, \begin{tabular}{lll}
40 & 3 & 50 \\
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\(\begin{array}{lll}. & 40 & 4.00 \quad 30.00\end{array}\) 15 to 25 buds.................. \(200 \quad 20.00\)
HYDRANGEAS, Otaksa, Red Doz
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2-yr old, pot-grown, for foreing. \(500 \quad 35.00\) CRIMSON RAMBLERS, strong,
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\(\qquad\) HERMOSA, strong. 2-yezr old.... 2.251600 CLOTHILDE SOUPERT, strong Held plaats.......................... 1.50 . 10.00 AMERICAN BEAUTY............ \(2.00 \quad 1500\) KAISERIN AUG. VICTORIA.... 2.502000 PAUL NEYRON..................... . 25020.00 LA FRANCE \(\begin{array}{lll}2.00 & 15.00\end{array}\)
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Bruuner, Etc., all at............... \(1.50 \quad 11.00\)

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Greenhouses and Nurseries, Western Springs, III.

Please mention the A merican Florist when writing.

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Special Evergreen Offer.
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We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer.

One year plants, ist grade, 6 to 8 inches, once transplanted, \(\$ 3.00\) per \(100 ; \$ 25.00\) per \(1000 ; \$ 115.00\) per 5,\(000 ; \$ 200.00\) per 10,000 .
ALSO THE FOLLOWING:
Per 100 Per \(\mathbf{1 0 0 0}\)
BUXUS ARBOREA, 2 years, 6 to 8 inches \(\qquad\) ... \(\$ 2.00\)
EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.............................. 1.50
EUONYMUS JAPONICUS, 1 year, 6 to 8 inches. \(\qquad\)
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RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches........................... 4.C 4
RETINOSPORA P. AUREA. 9 to 12 inches, 2 years......................... 4.00
BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches......................... 5.00
BIOTA OHIENTALIS var. ROSEDALE, 6 to 8 inches. 3.00

BIOTA ORIENTALIS, Rosedale, 1 ft ., very fine .............................. 10.00
BIOTA ORIENTALIS, Rosedale, 18 inches, very fine.................................. 15.00
JOSEPH W. VESTAL \& SOM,

\section*{Forcing Stock for Easter.}

AZALEA MOLLIS iull of buds, nice even beads. force easily. \(12-15 \mathrm{io}\). high, \(\$ 3000\) per
100 : \(15-18\) in. high \(\$ 1000\) per 102 . 100: in-18 in. high \(\$ 1000\) per 100 DEUTZIA CRACILIS, grown especially for pot culture: very bushy: 12.15 in high, for 6-in. pots, \(\$ 000\) per 110 : \(15-18\) in. high, for DEUTZIA LEMOINEI-Simllar but stronger grower, 15-18 in. high, for 6-in
pots, \(\$ 8.00\) per \(100: 18-24 \mathrm{ld}\). high, for 7 or
in. pots, \(\$ 10.00\) per 100 . -1n. pots, \(\$ 10.00\) per 100
RHODODENDRONS-Best named Hyhrids, bustry snd full of buds, 20 in . high. \(\$ 900\) per dozen: 24 in. high. 12.00 per dozen; \(30-32 \mathrm{in}\). higb (heavy) 83.00 per dozen.
SPIRAEA JAPONICA, \(\$ 3.00\) per 100 . SPIRAEA NANA COMPACTA, 84.00 per 100.

\section*{THE STORRS \& HARRISON CO."}

Painesville, 0 ,

\section*{SurplusTreeSeeds. \\ 500 lbs. Catalpa Speciosa,}

500 lbs Black Locust. Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

\section*{FOREST NURSERY AND SEED CO. \\ IRVING COLLEGE, Warren Co., TENN.}


THEMOON
Company
For ITrees, Shrubs, Vines Your \(\{\) and Small Fruits. Deacnptive Iluetrated Catalogas Free. THE WM, M, NOON OO.

California Privet \(\begin{gathered}\text { t, 2 and } 3 \text { years. Also Cut- } \\ \text { tings. Any roasonsbleoter }\end{gathered}\)
will be accepted on lots of 5,000 to cerloads. RIVER VIEW NURSERIES, J. H. O'HAGAN. LITTLE SILVER,'N.J

\section*{Our Pastimes}

Announcements of coming contests or other events of interest to our bowliog, shooting and sporting readers are so
address all correspondence for this department to J. H. Pepper, 429 Sisth Ave., New ment to J. H. Pepper, Chestnut St., Philadelphia; or to the American Florist Co., Cbicago

See You Later,
Said the florist: "I suppose it will surprise you to know that
a florist has unusual a florist has unusual experieaces just inke a
drug store or the drug store or the phone offce. One day a man staggered into my store, and it was plain from his manner and walk that he
 wer intoxicated. He had a silly grin on his face and asked to see some designs suitable for his wife's grave. I showed him some varieties and he finally selected a pillow. ". 'Shall I put anything on it? Any letters?' I asked. He hesitated for a moment and then said thlckly:
". 'Yesh; put S. Y. L. An it. on it. your wife?' I asked.
"'No.'
"' 'Are they your initials?'
"No.
" 'Then what in the nation do you want S. Y. L. on that plllow for?' I asked. "'Shay, 1 'm payin' for thish. You put S. Y. L. on it and let it go at that.
'After I had wrapped up the design, with its S. Y. L. on it, I asked him as a special favor to tell me why he wanted those let ters on the pillow, when they were not his wife's or his. As he went out the door he said, somewhat shamefacedly:
"'See you later.'
-Boston Traveler.

\section*{At Boston.}
W. W. Rawson \& Company took two out of three games from Jos. Breck \& Son in the Seed Trade bowling league Monday, February 6. There remains but one more match game, that between R. \& J. Farquhar and Schlegel \& Fottler Company. This promises to be the most exciting game of the series as both teams are tied respectively for first and third places. All arrangements have been made for the banquet which is to be held February 21 and which winds up the bowling season. The scores of the Rawson-Breck games follow:
\begin{tabular}{|c|c|c|c|}
\hline & JOSEPH BRECK \& SON \({ }_{1 s}\) & 2d & 3d \\
\hline Gleason. & 67 & 57 & 59 \\
\hline Webber & 8 & \({ }^{66}\) & 75 \\
\hline Riley & 70 & 79 & 75 \\
\hline Armstrong & 78 & 84 & 77 \\
\hline Enholm & 83 & 72 & 76 \\
\hline Totals & . 385 & 358 & 362 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Player. & 1 st & 2 d & 3 d \\
\hline Caylor & 71 & 75 & 66 \\
\hline Chenery & 70 & 77 & 82 \\
\hline Rose & 76 & 77 & 70 \\
\hline Field & 86 & 77 & 76 \\
\hline Perry & 69 & 72 & 78 \\
\hline
\end{tabular}

Totals
John P A. Guerineau the well known traveling representative for Schlegel \& Fottler Company, is holding his own in the race for honors in the league. Mr. Guerineau is now third in individual averages, and but for bcing ill during December would no doubt be heading the list. During his recent trip to Newport many of the gardeners there thought they would arrange a bowling match and put their best bowlers in and give him a beating, but to the surprise of all, Mr. Guerineau took them
all into camp and gave them a good drubbing. He has been with Schlegel \& Fottler Company for the past four years, and his ever increasing popularity is due to hard work and the careful attention he pays his many friends.

\section*{Polar Bear Hardy in New York.}
L. W. Wheeler, of Vaughan's Seed Store, New York, who mails clipping regarding Polar bear frozen to death in Chicago, says, "The Polar bear is con sidered hardy here."

\section*{Smely Footed the Bill.}
J. M. Smely, the Aurora, Ill., florist, is telling a good story on himself. Some time aga. Mr. Smely rigged his errand boy out with a brand new undform, brass puttons, and a cap, with the word "Smely" in gilt letters inscribed just above the visor. Always up-to-date, Mr. Smely thought it would be a good plan to have the boy's picture taken in the uniform, have a cut made and use it for advertising


John P. A. Guerioeau.
(Of the Boston Seed Trade Bowling League.)
purposes. Consequently he told the lad to go down to the photographer's and have his picture taken and when the proois were finlshed to bring them to him. Several daye passed, and, when the florist thought the proofs were about ready told the boy to get them. The lad got the proois. Smely thought he had taken a very good, picture, but the uniform nor word smely did not show. The boy had gone home, changed hs uniform for his hest suit of clothes, and sat Smely was up agalnst it, and had to foot smely \(\begin{aligned} & \text { the } \\ & \text { the }\end{aligned}\)

\section*{Louisville.}

The past week was up to expectations, there being two or three very good days, some having to do pight work. The weather has moderated a great deal. Roses continue to be about the same, medium quality. The demand is fair, and the supply about adequate. Carnations are of good quality and the demand very satisfactory. Violets have becn very heavily demanded, but there is not much trouble in securing them in adequate quantities. Lily of the valley is not quite so plentiful as last week, although the supply is adequate. Bulbous stock can be had in nice quantities.

The regular monthly meeting of the Kentucky Society of Florists was held

Tuesday night, February 7 , at the residence of Joseph Wettle, with a fair attendance. It was decided to designate Tuesday, March 7, "carmation and rose night,' in connection with the regular meeting. The preliminary premium list for the next November show has been ordered printed. A meeting was ordered to be held at some of the alleys to conclude arrangements for the bowling club. C. H. Kunzman had a very good sport of Enchantress on exhibition, which was greatly admired. After the meeting a good time was shown us in the dining-room by Mr . and Mrs. Wettle.

Coenen \& Bohrman's place is in goorl condition. They still had a good lot of good narcissus coming on. They were also well stocked with freesias.

Visitor: B. Eschner, of M. Rice \& Co., Philadelphia, Pa .
F. L. S.

\section*{Boston.}

THE MARKET.
The market the past week has been very intermittent, due principally to the changeable and stormy weather. Prices have remained about the same. There is a prevailing shortness in roses, especially in the red and pink varieties and there is a good demand for American Beauty. Bulb stock has fallen off in price the past week, jonquils in particular being very plentiful. The market for violets continues very druggy. The supply of carnations is increasing and the market for them is not quite as strong as last week.

Welch Brothers report the receipt of a large supply of gardenias the past week, which they have been very successful in disposing of.
W. A. Temple, of Westboro, has had on exhibition at Welch Brothers, a seedling carnation of a dark pink color which is a great keeper. It is as fresh today as when put in the case ten days ago.

The Park Street Flower Market dealers report that on Saturday, February 11, they had the best business of the present year, every flower in the place being cleaned out, even to the daffodils, which are usually the last to sell.
Thomas \(F\). Galvin sent thirty-seven pieces to the funeral of the Hon. Joseph H. Manley at Augusta, Me. Two men were sent to care for them.

Maurice B. Gomperts, otherwise known as "Moss the Florist," has opened a new store at 160 Tremont street, where he will conduct a retail business.

Hambro \& Solomon are to open a flower stall in the grocery department of Houghton \& Dutton's department store.

Ellward MacMulkin has had a very effective window display the past week. The general color scheme was yellow, being made up of daffodils, jonquils, tulips, Dorothy Whitney carnations, orchids, roses, etc.
H. P. S.

\section*{Indispensable and Refreshing.}

American Florist Co.:-Please find enclosed \(\$ 1\) for the American Florist for another year. It reminds me of the old-fashioned New England Saturday night bath, quite indispensable and very refreshing to the receiver each week.
C. W. Siblet.


\section*{THE BEST WHITE CARNATION IS Lieut. Peary \\ CERTIFICATED 90 POINTS. \\ PEDICREE-White seedlings for several generstions. COLOR-Snow white. FRAGRANGE-Very atrong ciove, decidedly fresh, and pleasiog. SIZE-Large, averaging 3 inches in diameter on strong stiff stems, 18 to 20 laches in leogth. FLOWER-Full, broad petaled and high center and of a fine aymmetrical form. HABIT-Strong and erect. CRASS-Medium width. CONSTITUTION-Very HABIT-Strong and brect. CRASS-Medium width. CONSTITUTION-Very vigorous and ree from disease. Cuttings root rapidyy and will be sent out in continuously throughout the Winter, aftording an abundant orop. A frst-class commercial variety in every reapect. Now booking orders. \\ Prioe, \(\$ 12.00\) per 100; \(\$ 100.00\) per 1000. \\ }

\section*{Carnation Cuttings}

Thoroughly Rooted.


Per 100 Per 1000
Gov. Wolcott. \begin{tabular}{c}
\(\$ 3.00\) \\
380 \\
\hline 25.00 \\
\hline
\end{tabular} Buchantress.
Prosperity 300
3.00
3

Prosperity. \({ }^{3} 00\)

Note-W do't We simply state that we ship you the best cuttings at the least possible prices.

\section*{Weiland \& Risch, \\ Leading Weslern Wholasale Growers and Shippers of cut Flowers.}

59 Wabash Ave., Chicago.
My Maryland
Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.
Awarded frat-class Certibcate of Merit by the American Carmation Society. Lawson bronze for 50 blooms 100 me and A. Erone Bred easuly displace any other white.
We are booking orders now for delivery January 1906. Price. \(\$ 2.50\) per dozen; \(\$ 12.00\) per 100 \(\$ 100.00\) per 1000 . Write us for other new and atandard varieties.
H. WEBER \& SONS, Oakland, Md.

\section*{ALSO THE FOLLOWING NOW READY:}

3,000 ETHEL WARD 8,000 ETHEL WARD. \(\qquad\) 87.00 per 100. 2,000 WH1TE LAWSON
5000 ENCHANTRESS. 1100 \(\$ 1.00\) per 100: 2,000 CHRISTMAS EVE....... 883000 per 1000 2,000 GOLDEN EAGLE, \(\$ 5.00\) per 100.810 per 1000 1,000 HARRY FEN N. 5,000 LA WSON . . . . . . . . . . . . . . . . . . . 8300 per 100; 2,000 PROSPER1TY, \(\$ 2.00\) per 100; 815.00 pe 1000 3000 MACKINAC. 000 號
2000 LADY BOUNT1FÖし
3.000 JU DGE HINSDALE
\(\$ 6.00\) per \(1 C 0\) 2000 NELSON F1SHER 2,000 OCTOROON 2,000 FLAMINGO.
50 of a kind at 100 rate; \(\mathbf{9 5 0}\) of a kind at \(\mathbf{1 0 0 0}\) rate


\section*{60,000 Grateted ResePlants}

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1st in \(21 / 2-\) inch pots, thoroughly hardened off and ready to shift into \(31 / 2\)-inch, the following:


ALL PLANTS SHIPPED FROM HINSOALE.

\section*{Bassett \& Washburn,}

Store: 76 Wabash Ave., chicago. Greeohouses: HINSDALE, ILL.
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
i \\
PINK
\end{tabular} & No & Per 1000 \\
\hline Enchantresb. & .. 8300 & \$2500 \\
\hline Fair Mu'd.... & ... 250 & 20.00 \\
\hline Alpine Glow. & ... 2.50 & 2000 \\
\hline Lawson..... & ... 2.00 & 1500 \\
\hline Nelson .... & ... 2.0) & 1500 \\
\hline \multicolumn{3}{|l|}{WHITE} \\
\hline Queen....... & ... 2.50 & 20.00 \\
\hline Queen Louise & ... 2.00 & 15.00 \\
\hline Boston Market & ... 2.50 & 20.00 \\
\hline Mrarion ..... & ... 2.00 & 15.00 \\
\hline \multicolumn{3}{|l|}{RED} \\
\hline \multicolumn{3}{|l|}{Flamingo....................... 6.00} \\
\hline \multicolumn{3}{|l|}{Crubader.......................... B.t0} \\
\hline Crane........ & ... 200 & 15.00 \\
\hline \multicolumn{3}{|l|}{Mrr. Patten...... ............. 6.00} \\
\hline Prosperity.... & ... 2.53 & 20.00 \\
\hline Harlowarden. & ... 300 & 25.00 \\
\hline \multicolumn{3}{|l|}{Wo can Curnish Cutilings ol all the Standard Varlotios.} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline  & \begin{tabular}{l}
Red Lawson will Bloom \\

\end{tabular} &  \\
\hline \({ }_{\substack{8000 \\ \text { giooms }}}\) & & \(\xrightarrow[\substack{\text { sono } \\ \text { s.oons }}]{ }\) \\
\hline  & &  \\
\hline  & LAWSON & \\
\hline  & \begin{tabular}{l}
50,000 Cuttings Sold \\

\end{tabular} &  \\
\hline \multicolumn{3}{|l|}{W. J. PALMER \& SON, Lancaster, N. Y} \\
\hline
\end{tabular}

\title{
CARNATIONS. \\ All the best varieties of this year's introduction. Also a full list of standard varieties including the famous white \\ THE BRIDE. JOHN N. MA Y, Summit, N. J.
}

\section*{Successful Growers are Wanted}

To know that they can dispose of all their surplus stock by adverthaing in the American Floritt. TRY IT NOW.

\title{
CARNaTION
} CUTTINGS.

\section*{Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.}

PRICE LIST.
Per \(100 \quad 1000\)
Lawson................................ \$1.50 \$12.50
Guardian Ange \(1.00 \quad 9.00\)

Enchantress................... 3.0025 .00
Morning Glory. .................... \(1.50 \quad 12.50\)
Mrs. Higinbotham................ 1.2510 .00
Estelle ............................... 2.50 20.00
Chicago............................... \(2.00 \quad 15.00\)
Adonis.................................. 2.5020 .00
Flora Hill ........................... \(1.00 \quad 9.00\)
Whlle Cloud.......................... 1.2510 .00
Her Majesly......................... 1.50 12.50
Harlowarden........................ 2.00 15.00
Orders Filled Promptiy.
WIETOR BROS.
51 Wabash Ave.,
Chicago.

\section*{Red Sport}

\section*{(OF MACEO.)}

RED SPORT has proved the greatest money gaker we ever grew, produciog more good bloom to the square foot of bench room than aoy other pariety on the place
During the glut the first half of January, we could get but four centa for fancy Lawsons, hut sold every RED SPORT bloom we had for flve cents each

Every grower who was here in December was oarried away with RED SPORT'S possibilitie as a luture supply of a holly berry red for Christmas. There is no pick in the blooms; they are all a uniform size adod color. There are 40 or 50 thousand buds now showing in the various stages of development, aod there is not a split or off color bloom in the lot, and every plati is th picture of bealth
Ne wil plapt 20000 RED SPORT for next searon's blooming, the cut rrom Which is already RED SPORT is an eray doer and every growe
can suocessfully grow it. or 9250-50 for 9400 , post paid: 86.00 per 100 \(\$ 50.00\) per 1000 .
Oueen Loulise wh most proftable standard prıu: \(\$ 10.00\) per 1000 .

We guaraniee all cuttings to be well rooled and 10 arrive in good condition.

\section*{A. B. DAVIS \& SON, \\ GARNATION SPECIALISTS,}

Purtc@liville,
Va.

\section*{Carnations ROOTED CUTTINGS.}

Send for price list of all the new and standard sorts
Wm. Swayne, Box 226

\section*{500,000 VERBENAS \(\frac{60}{\text { vaRIETIES }}\) \\ The Largesi and Finest Stock in the Country. PERFECTLY HEALTHY-NO RUST.}

\author{
Prizs Root-d Cutting \\  \\ ..60c per 100; 6500 per 1000 \\ Plants, 2 Kinioch pots \\ 32.50 per 100 ; 820.00 per 1000
}

300,000 GARNATIONS \(\begin{gathered}\text { pooted cuttinss cioan } \\ \text { and } \\ \text { cos }\end{gathered}\)

\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{Per 100} \\
\hline Bulter & \$300 \\
\hline Prosperity & 2.00 \\
\hline Mrs. J. H. Manley... & 2.50 \\
\hline 100 & 1000 \\
\hline Mre. E. A. Nelsoo \$1.50 & \$12.00 \\
\hline White Cloud...... 150 & 12.00 \\
\hline Flora Hill........ 1 8b & 10.00 \\
\hline Portia. . . . . . . . . . . 1.25 & 10.00 \\
\hline Queen Louise.... 1 ¢5 & 1000 \\
\hline D rothy ........... 125 & 1000 \\
\hline
\end{tabular}

60,000 GRAFTED ROSES For Forcing----Finest Grown.
Orders bookej for delivery in April, May and June.
LIAERTY, rose pots. \(\$ 200\) der 100: 3y/h-ích pots, per 100............... \(\$ 18.00\)


SEND FOR PRICE LIST

\section*{J. L. DILLON, Bloomsburg, Pa.}

Please mention the American Flovist when writing.

\section*{Rooted CARNAIION CUITINGS ...NOKY READY...}


\section*{LOOMIS FLORAL COMPANY, \\ Loomis, Cal.}


\section*{San Francisco}

\section*{business fair.}

Business has been good the past few weeks. Social affairs at the fashionable hotels helped to move a great lot of stock. Tiolets are very cheap, ranging from 35 cents to 50 cents per dozen bunches. Very few Marie Louise find their way to this market. Good roses are not plentiful, first grade Bride bring \(\$ 8\) a hundred. Good Liberty are also in short supply as also first class American Beauty carnations are bringing from \(\$ 2\) to \(\$ 4\) per hundred for first grade or fancies and common stock is hard to give away. Poinsettios from San Diego can still be seen in the win dows. Lilies are scarce and from the present outlook will continue so. There is plenty of bulbous stock from out doors. Lily of the valley is firm.

\section*{notes.}

A visit to the country estate of J. B. Coryell, at Menlo Park, is always interesting. The new greenhouses which have just been completed are filled with one of the finest collections of decora tive plants in the west. A great number of rhododendrons have been planted here also and seem to be in a thriving condition. The whole estate is under the able management of Andrew McDonald.

The Menlo Park Horticultural Soci ety, at its meeting this week considered the advisability of holding spring show. Although this society is but one year old it has already held two very successful fall shows. At the last meeting the following officers were elected for the ensuing term: President Sidney Clack; treasurer, Geo. Munn; secretary, James T. Lynch; Robert E. Rathbone trustee for the long term.

James L. Flood is having two new greenhouses added to his range. They will be devoted to roses and carnations. Mr. Flood is steadily adding to his already extensive collection of orchids. Joseph Joachim has resigned the charge of the greenhouses and las been succeeded by M. M. Lain formerly of Holy Cross cemetery.

Frank Pelicano \& Company have been making a splendid display the past week at their Kearney strcet store, as also has the Art Floral Company in its splendidly located store in the New James L. Flood building.

The three new greenhouses recently added to M. Lynch's range are in splendid shape. They have also installed two large boilers and are using crude oil for fuel with success.
H. Ebel, the leading florist of Sacramento, called on the growers in this vicinity during the week. Mr. Ebel reports trade as being very fair.

The Pacific Coast Horticultural Society has issued invitations to an informal affair to be held in the quarters of the society this coming wrek.
S. Clack's new dark pink sport from Enclantress has been the object of much favorable comment by visitors to his establishment.
Thos. Forbes the nowly appointed sulerintondent of Holy Cross cemetery has made many clanges in that beauti-
 Juere for the winter months. Mr. Douglase spend, "very winter in this state. Drear of Philadelphia is here in the intrurests of his firm.

\section*{A Large Stock of Well Rooted} CARNATION CUTTINGS

Selected from Clean, Heallhy stock just the kind you are looking for and at ROCK BOTTOM PRICES as a leader we offer

\section*{MRS. LAWSON, \(\$ 1.25\) per 100; \(\$ 10.00\) per 1000.}
\begin{tabular}{|c|c|c|c|c|c|}
\hline & \multicolumn{2}{|l|}{Per 100Per 1000} & \multirow[b]{2}{*}{Mrs. Ine.} & \multicolumn{2}{|l|}{Per \(\mathbf{1 0 0}\) Per \(\mathbf{1 0 0 0}\)} \\
\hline Boston Markel & . \(\$ 2.00\) & \$15.00 & & ..... \$1.50 & \$12.00 \\
\hline Stella.. & 2.00 & 15.00 & Mrs. Nelson. & .. 1.50 & 12.00 \\
\hline Harry Fenn & . 2.00 & 15.00 & Triumph & ... 1.50 & 12.00 \\
\hline Roosevelt. & .. 1.50 & 12.00 & Flora Hill. & .. 1.00 & 9.00 \\
\hline Estelle.. & .. 2.50 & 20.00 & Guardian Angel. & .. 1.00 & 9.00 \\
\hline
\end{tabular}

All stock sold with the understanding that if not as represented same is to be returned immediately when money will be cheerfully refunded.

\section*{J. A. BUDLONG, 37 Randolph St., CHICACO.}

CRISIS
This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \(\$ 12.00\) per 100; \(\$ 100.00\) per 1000.
J. L. DILLON, Bloomsburg. Pa.

(4 JOHN MURCHIE, Sharon, Pa. S S. S.SKIDELSKY, Philadelphia,
 Please mention the American Florist when writing.

\section*{CARNATIONCUTTINGS}

WELL. ROOTED, FROM SELECTED STOCK.
\begin{tabular}{|c|c|c|}
\hline & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{\[
\begin{array}{r}
\text { Per } 100 \text { Per } 1000 \\
\ldots \$ 7.00 \$ 60.00
\end{array}
\]}} \\
\hline NELSON FISHER & & \\
\hline MRS. M. A. PATTEN & 6.00 & 50.00 \\
\hline FLAMINGO. & 6.00 & 50.00 \\
\hline CRUSADER & 6.00 & 60.00 \\
\hline D. WHITNEY & 5.00 & 40.00 \\
\hline ENCHANTRESS & 400 & 80.00 \\
\hline H. FENN & 3.00 & 25.00 \\
\hline MANLEY. & 3.00 & 25.00 \\
\hline FAIR MAID & 2.50 & 2000 \\
\hline QUEEN. & 3.00 & 25.00 \\
\hline
\end{tabular}

BACKER \& CO., Billerica, Mass.

\footnotetext{
Nice Clean Stock
ROOTED CARNATION CUTTINGS. CHEAP. Enchantress, Neison Fisher, M. A. Patten, Gor. Wolcott, Boston Market, White
Cloud and Mme. F. Joost. Also unrooted of last two vaneters. frices apon apphication
C. G. VELIE \& SON, Marlborough, N, Y. Valley View Greenhouses.
GLAD
to have you send for my IOLUS price-list. Mixlures,
named varieties and colors. All sizes.
}
E. E. STEWART, RIvos Junction, Mich.

ROOTED


Fine Clean, Healthy Stock.
ROSES
Per 100 Per 1000


\section*{CARNATIONS.}
\begin{tabular}{|c|c|c|}
\hline RED & \multicolumn{2}{|l|}{Per 100 Pe} \\
\hline CRUSADFR & & \$45.00 \\
\hline FLAMING & 5.50 & 45.00 \\
\hline ESTELLE & .. 150 & 12.50 \\
\hline INE & 1.50 & 0 \\
\hline & & \\
\hline NELSON FISH & ... 6.50 & 00 \\
\hline MRS NELSON & ... 1.50 & \\
\hline MRS. LAWSON & 1.50 & 12.50 \\
\hline GOARDIAN ANGE & .. 1.10 & 9.00 \\
\hline MRS. JOOST & 1.25 & 10.00 \\
\hline GENEVIEYE LORD & 1.25 & 10.00 \\
\hline ENCHANTRESS. & . 3.00 & 25.00 \\
\hline LIGHT PINK & & \\
\hline HIGINBOTHAM & 1.00 & 9.00 \\
\hline G1bSON BEAOTY & 12.00 & 00 \\
\hline WHITE & & \\
\hline OSTON MARKET & & 20.00 \\
\hline ERU & 1.00 & 9.00 \\
\hline WHITE CLOUD & . 1.53 & 12.50 \\
\hline QUEEN LOUISE & 1.00 & 9.00 \\
\hline FLORA HILL. & .. 1.00 & 9.00 \\
\hline
\end{tabular}

GEO. REINBERG,
51 Wabash Ave., CHICACO.
Please menton the Amer ican Florist when writing

\section*{ROOTED}

CARNATION CUTTINGS.

\section*{White Lawson} Flamingo Lady Bountiful Nelson Fisher The above at \(\$ 5\) per 100; Albatross \(\$ 40\) per 1000 The following at \(\$ 3\) per 100; \(\$ 25\) per 1000: Enchantress Boston Market Fair Maid
IMPERIAL GREENHOUSES, UN.'ZA.

\section*{CARNAIIONS}
150,000 Rooted Cuttings.
Per 1001000
Queen Louise \(\qquad\) \(\$ 1.00 \$ 10.00\)
America.. \(\qquad\) \(1.00 \quad 10.00\)
G. H. Crane \(\begin{array}{ll}1.00 & 10.00\end{array}\) Eldorado \(1.20 \quad 10.00\)
Marshall Field...................... \(1.40 \quad 12.50\)
Armazindy ..........................
\(\begin{array}{ll}\text { Mrs. Joost.......................... } 1.00 & 10.00 \\ \text { Mrs. Thos. W. Lawson......... } 1.40 & 1250\end{array}\)
Pres. McKinley..................... \(1.40 \quad 12.50\)
Success .............................. 1.001000
Harlowarden........................ 1.40 12.50
Unrooted cuttings at half price. Terma: tion. Express prepaid at above priceo and atibiaction guaranteed.

\author{
HERMITAGE CARNATION CO, LOOMIS, CAL
}

\section*{CARNATIONS.} PETUNIAS. SALVIAS.

\section*{Strong Rooted Cuttings.}
N. Fisher.... 85.00 Waleatt .... \(\$ 3.00\) \$18.r0 Indianapolis 400 Lawson .... \(1.50 \quad 14.00\) B. Market.. Estelle..... \(2.00 \quad 18\) C0 Prospesty.: 1.5014 .00
Double Fringed Detunias Ware hesdquarters for these. six distinct noveities, labeled, \(\$ 1.2 \overline{5}\) per 100; \(\$ 10.00\) per 1000
Salvia, Two Bort Lord. Fantereny (dayart), Son
The W. T. Buckley \(\mathrm{CO}_{1,1}^{\text {sprimcFiEL, }}\)

\section*{-UNROOTED \\ CARNATION CUTTINGS.}

The following at \(\$ 3\) per 100 ; \(\$ 25\) per 1000 White Lawson Flamingo M. A. Patten Lady Bonntiful Crusader
The following at \(\$ 2\) per 100; \(\$ 15\) per 1000

\section*{IMPERIAL GREENHOUSES. UN'CA,}

WHITE LAW: ON which we introduced last season has glven yreat satislaction, and has praved to be The Finest White Carnation ever sent out Remernndoubtedly exceed the supply thls geason, and in order to secure early delivery, no time shonld be ost in placing order. We are now booking orders or early January delivery. Orders will be flled strlctly in rotation as received, so the earlier orders s.e booked the esrlier deliveries can be made. We can supply Firsi-cass strong roolad cuttings, \(\$ 7\) per 100: \(\$ 60\) per 1000 . Also the other novelties of the sesson-Fiancee, Cardinal. Fred Burki etc Also the cream of older sarts-Mis M. A. Patten. Daheim. Enchanlress, Flamingo, Mrs. O. R PIERSON

\section*{Advertisers Everywhere Get Results.}

Am. Florist Co.:-Practically all the replies I get from western trade advertlsing refer to the American Florist. John Deamud.

\section*{Indispensable}

American Florist Co.: - Florists whom we have visited in Des Moines and other places tell us the American Florist is indispensable, and from an examlnation of the magazine we believe it so, so enclose \(\$ 1\) for a year's acquaintance with the journal.

Evoe \& Barney.

\section*{200,000 R00TED Carnations NOW READY. \\ \begin{tabular}{|c|c|c|c|c|c|}
\hline While & Per 100 & Per 1000 & Plak & Per 100 & Per 1000 \\
\hline Queen Lonise. & . 81.00 & 81000 & Cressbrook & & 10.00 \\
\hline Flora Hill & 1.00 & 10.00 & Soarlot & & \\
\hline Gov. Woloott. & . 1.00 & 1000 & Crane.. & 1.00 & 10.00 \\
\hline White Cloud. & 1.00 & 1000 & America & 1.00 & 10.00 \\
\hline alba. & 2.00 & 15.00 & Estelle & 1.40 & 12.50 \\
\hline Pink & & & Crimson & & \\
\hline Lawson. & 1.20 & 12.50 & Harlowarden. & .. 1.40 & 12.50 \\
\hline Marquis & 1.00 & 10.00 & Variogalad & & \\
\hline Finchantress & 3.50 & 30.00 & Prosperity.... & 1.40 & 12.50 \\
\hline Mrs. Joost & 1.00 & 10.00 & Marshall Field. & 1.40 & 12.50 \\
\hline McKinley & 1.40 & 12.50 & Armazindy ... & 1.00 & 1000 \\
\hline Mermaid & 1.00 & 10.00 & Viola Allea & . 1.20 & 11.00 \\
\hline
\end{tabular} \\ 100,000 Pansy Plants, \({ }^{\text {at sin }}\) thous per pard.}

Unrooted Cuttings at one-half price of rooted cuttings. Express prepaid at above prices. Cash or C. O. D. with privilege of examining at express office.

\section*{Loomis Carnation Co. Lock Box 115, LOOMIS, CAL.}

ROOTED CUTTINGS READY.
White Lawson \(\$ 7.00\) per \(100 ; \$ 60.00\) per 1000 .
ENCHANTRESS,
\(\$ 4.00\) per 100; \(\$ 30.00\) per 1000
3.00 per 100; 20.00 per 1000 Send for catalogue for other varieties.

\section*{CHICAGO CARNATION CO.}

JOLIETT, HLRINOIS.

\section*{WM. PENN}

READY NOW. NO WAITINC.
A pleasing shade af pink, of a stiff, wiry stem. Growth clesn and uprlght; no aseless foliage. Will Prnduce More Flowers per Square Foot Than Any Carnation Now Grown.
Worth growing by the thousand but rather than bave you miss trying it, I will mall free of charge
25 25 rooted cuttiass rur \(\$ 2.50\); 810.00 per 100; 875.00 per IUf0: 250 lor \(\$ 8.75\).
gEND FOR LIST OF OTHER VARIETIES Queen Louise and Lillian Pond. \(\$ 10.00\) per 1000. Floriana sud Harry Fenn. 812.50 per 10 C0.
ALBERT M. HERR, Lancaster, Pa. Please mention the A merican Florist when worting

\section*{Rooted l'a nation Cultings}
- All Ordore Fillod in Rolallon.Per 100
 Flamingo. . scarlet 500
6.00
Albatross Waite
Queen
\(\qquad\) . White.
Boston Markèt \(\qquad\)
Queen Louise, Lawsoa.
Challonger
scarlet
Write Ior Prices on 1 arge Iots. 5 Per Cent Discount fur Cash with Order.


\section*{CIRVATIONS Roomed \\ WHITE LAWSON.}

The king of white sorts. A stroag grower and a free bloomer. We have be filled ia rotation. \(\$ 7.00\) per \(100 ; \$ 60.00\) per 1000.

Lady Bountiful.
Mrs. M. A. Patten
Per 1001000
Nelson Fisher.................... . 700660.00
Daherm...
\(6.00 \quad 60.00\)
Enton Mark....................... \(3.60 \quad 30.00\)
Boston Market.................. \(2.60 \quad 20.00\)
The Queen.
\(2.50 \quad 2000\)
Mrs. T. W.
Morning Glar
Mrs. G. M. Bradt
Melba
Queen Louise
\begin{tabular}{ll}
2.00 \\
2.00 & 15.00
\end{tabular}
 White Cloud. .............. 15012.00 CRAFTEO ROSES.
We are now baoking arders for luture delivery. Write for prices.
WOOD BROS, Fishkill, N. Y.

Plants, Bulbs and Seeds. 1305 Filbert Streel PHILAOELPHIA.
Please mention the Amevican Florist ahen ioriting.

\section*{European Horticulture.}
(FROM BRITISH HORTICLLTURAL PAPERS.) Salitas.-At na time of the year do we Salvias.-At no time or the year do we
fiod it more difficult to have a display of fiowers than the hellewing includes a few varieties of salvias which would be much appreciated fer the effect they give, and can be had in
flower frem Octoher onwards. Salvia
tion Pitcherí (syb. S. azurea grandiflera) is one of the earliest. The color of the flowers, s of azure blue. An increase of plants can be got hy dividing up eld stools or irom cuttings. S. splendens Bruanti is much moredwarf, and flowers much brighter and produced in greater abundance than the old
variety S . splendens. S. rutilans (pineapplevariety S. splendens. S. ruthans delightfully tragrant; the habit is neat and graceful, flowers are of a lovely magenta color borde
on pretty, neat spilies. S. leucantha is very on pretty, neat sud has a woolly appearance: he base of the tubes is ore \(S\). Heeri proupper parts are pure white. Sp bright red, shaded erange color, very free, folsage much a good late species, somewhat resembles the gesnera, and of all can be easily grown from pecimens of ane season. Cuttings sheuld be rooted in April. Potting, stopping and staking should be strictly attended to. The best place through one sum of ashes in a sunay position, allewing plenty of room between each plant for their development. At the approach of irest remove theme entual!y give them their permanent quarters in the greenhouse or conservatory as they come into
flower, where they will repay for the labor flower, where they w
bestowed upod them.
The Blue-flowered Shamrock.-This little rock plant (Parochetus communis) also known as the Shamrock Pea, comes io us from Nepaul, and that so can recomthreughout the sumpier that one can recomb mend it for any warm it could ramble at will. One hesiwhere it could ramble at will. a circumstance due mainly to its heing neglected or everlooked when planting time comes round. it inters buffet it severely-and it is generally advisable to take up a "turf" of it for cold frame treatment throug as is the shamrock, and are borne on running stems that soon cover a square foot of soil. The flowers are exceedingly pretty, shaped like the it a plant one should grow like nierembergia a small patch being allatted to it, and the
surface covered with large pebbles or broken surface covered with arge pebbles here and there in a thin carpet, each bearing their of the rockery when many of its occupants bave passed their best. It is as easy to
graw as the commonest weed, yet the pretI knolan of its order fer the rock garden marginal patch in herbaceous borders as one root and grow freely if severed in the spring, whilst seeds are sometimes to be purchased and are easy to have in the south patches square yards in extent are often met with. Peanut.-According to a communication of A. Karosek to Gartenflora, a new disease of the peanut Africa. The peanut belongs to the most been so far especlally recammended
account of tis relative freedom which disease. reddlsh-brewn spets upon the plants, which afterwards change to black. The disease occurs wherever peanuts grew, but does not observed by Mr. Karosek in the viclaity of Langa, results in a rarid dying ont of the plant. It shews itself in a retarded growth eaves, in addition, show frregular white
and the and Which ultimately change to wn The lungus which may be respensible has not yet diseased leaves or flowers. It is possible that the disease, like the mesaic disease of another enemy in a root louse, concerning which ne close research has yet been made Raphael of Nice, Camncs, a mol will be to Aphonst Raphael where the author dled. Karr, after a busy literary
life in Paris, retired to the south of France, and fixed his residence at St. Raphael, where he cultivated flowers on a large scaie, and became a gardener, or nurseryman, and
fower merchant. While attending te his flower merchant. While attending te his belaved fowers on a wet thed died, over eighty years old cold and thes died, over eighty years old, in his embewered villa at St. Raphael. The committee for the erection of the merument. has been formed, hut it has no president M. Nardy was chosen as president, because he is the oldest member, the doyen of the gardener's craft on the Riviera. in his the president of the committee, on the greund that he was not a literary man. The president will now prohably be M. Jean Ajcard. who was one of Alphonse Karr's intimate friends
Early Vegetables in Paris.-Seme time ago we announced that a number of gardeners from Eyesham were making a cembined trip to Paris in order to learn how their confrères were able to raise early vegetables and send them to Lendon at a pront Some notes brought back by the gardeners state that the bottom of the hed on which the plants are raised consists of hard clay, the tep soil having heed removed. some stable manure is put inte this opening, and
covered with three inches of soil. These covered with three inches with hellglasses heds are, of course, covered with hellglasses
or frames according to their size. The beds or frames according to their size. The bed ferent times for the purpose of giving a suc cession. The Evesham gardeners seem to bink that Frenchmen have no natural or other advantages over think, hewever, that country. The eutdor crops of vegetables in France are equal to those in this country. Rose Mme. Antoine Mari.-A colored late of a recently raised rese appears ne November number of Resen-zedtung. A by the firm of Sig. Ant. Mari. One of them is the tea rose above named. In the bud state the flowers are cenical, elnogated, white, tinted with rose to some extent on the back of the petals. As these gradually expand the broad euter petals become revolute around a firm centre, and the color changes to a ereamy-yellow more or less flushed with rese on the back of the petals. If this variety can always be hrought to the same perfection as shown in the plate, we exhibition flower fer cultivation in this country. For cut flower purposes there can be no douht about its value, especially when cut in varieus stages of develepment and The young leaves are tinted with red.
Radsies CHanden to botatues - The discol potaroes has been male in so solemn a place a
ho Academy ot bejences. Piris. M Jolliard hom Academ.
\(\qquad\)
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\section*{St. Paul.}

Despite the very cold weather for the last two weeks, trade has been very good. Funeral work has helped to a great extent. All kinds of stock is rather plentiful, barring American Beauty roses and good red carnations, which have been unusually scarce all season. Violets are in good demand, with plenty of them, and prices have held up well so far, despite the low prices they are offered for out of town. McKinley day attracted very little notice. Several large reception and banquet decorations are in order during the coming month.

Holm \& Olson will add about 15,000 feet of glass to their range early in the summer.
N. C. Hansen will add another carnation house.

Trade visitors: W. A. Prosser, representing R. M. Ward \& Company; C. B. Knickman, of McHutcheson \& Company, New York; J. H. Wallace, of Storrs \& Harrison, Painesville, O.; B. Suzuki, of Suzuki \& Iida, New York; C. W. Scott Chicago.
o.

Glen Cove, N. Y.
The Nassau County Horticultural Society held its regular monthly meeting February 1 and elected three new members. At the next meeting, March 1 , there will be an exhibit of carnations. A box of cigars will be given by the president for the best. The society enjoyed an address from President Harrison. The meetings are held on the first Wednesday in each month, at \(2: 30\) p. m.
S. J. T.

De Haten, Pa.- Frank Schumann, a skillful and highly respected grower at the establishment of A. T. Lorch \& Company, died February 6, aged thirtyeight years, leaving a wife and four children.

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\section*{The Allied Trades}

Descriptive particulars-with drawings or photographs, if possible-of any new appathe trade are solicited for this department.

\section*{New York Glass Market.}

Trade has been fairly good considering the unfavorable weather and labor troubles, and sales for the past month have been of a volume satisfactory to most jobbers. The latter are calling for deliveries of glass on old contracts, and as near as could be learned manufacturers are unable to make prompt shipments as desired, as they claim that they are tested to their utmost in fill ing back orders, says the Oil, Paint and Drug Reporter. The latter applies to manufacturers who turn out the good qualities of glass, and in many instances they are refusing to book further orders at the moment. Reports are current to the effect that prices will probably be advanced soon.

\section*{Indianapolis.}

Walter and Herbert Bertermann have returned from a week's stay in New York. The quality of Liberty roses seen on the New York market according to Walter Bertermann's report is far superior to goods obtainable here. In one store he found gardenias of an extra fine quality. These retail at one dollar apiece. Mr. Bertermann also states that the amount of money the nastern hotels spend for plants and cut flowers nsed in decorating is something enormons.

All meetings of the State Florists' Association will hereafter be held in the state house. The last meeting, February 7, was well attended. J. Haugh, of Anderson, was the only outside mem ber present.
John Hartje's new pink carnation which attracted much attention in Chicago, is growing more favorable every day, and John is beginning to realize what a goud thing he has.

Mr. and Mrs. John Bertermann and daughter spent a few days in Columbus, O., last week.
J.


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The Nurseries, Exmouth, Devon, October 17, 1903. I have given your Pstent Sulphur Vapnrisers a therough trisi, sud sm more thsn plessed with the result. Gpaersily, hefore housing my Show Chryssnthemum Plants esch one is laid on its side sad well syringed with some kind of Fungicide, with the idea of desiroying any Mildew or other disesse. Thls is a tiresome sud expensive item where seversl thensands
of plauts have to be so trested. With your Sulphur of plauts hsve to be so trested. With your Sulphur ising the house every spot or symptam of Nildew hss disappesred. One varietioned bspo ta note the prsaual dionpesismee of the Milew The expsading blooms were in nowsy injured by the sulphus and I consider the Vsporisers hsve slresdy psid their cost. \(\quad\) W.J. Gobrrex,

The Gsrdeners' Chryssathemum Specialist.
The Gsrdeners' Chronicle, page 32, Jsnusry 14, 1905, states, Vine Mildow: W. A correspondent who at our request msde trial of Csmphen's Pstent Vaporrecommends its use in glass houses in which Grspe Yines, Pesches, Cucumbers, Roses, Chryssnthemams. sind slmilar plants are grown. The principle consists snd simitsi pisnts are grown. The principle consists shsped outlet the tube of which is looseiy olosed by a pyriform hollow glass bsill, which rises or falls according to the pressure of the bot sulphur vapor inside thus sllowing of the passage of the sulphur vapor, but at the same time preventigg the entranoe of hot sir into cylinders where it could set fire to the hested sulphur.
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\section*{Thentiete Year.}

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at Washington, D. C , August 1905 . at Washington, D. \(\qquad\)
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CHRYSANTHEMUM SOCIETY OF AMERICA Annual convention and exhibition, November, 1905. Fred. H. Lenon, Richmond, Ind., secretary

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Cleveland

\section*{The Boston Ferin and Its Varieties.}

The Boston fern, Nephrolepis exaltata Bostoniensis, has been known to the florists in this country for a number of years. It originated years ago in the vicinity of Boston, Mass., (hence the name) and, soon became generally known to the plant men in that vicinity. It is but a variety of the well known \(N\). exaltata, and for years many contended that there was not enough dissimilarity in the neweomer to war rant another name. Fern men could readily see the difference, however. In the new varicty the serrated edges were missing, the fronds narrower with a drooping habit, and more graceful eurve. Gradually the outside world eante to hear of it, but it was never disseminated in the modern sense of the term. It forged its way to the front on its own merits and the writer has heard many of the most prominent men in the profession say never was so much money made on any other plant as on this. It may le truthfully said that no other plant ever raised has been such a hoon to the florists' trade. No other plant has beeu so universally grown, nor has fuy other given such genuine satisfaction as this humble fern. The small florist as well as the big has had a share in the profits and all will always hold it gratefully in remembrance. It has largety hurt the sale of palms, fieus, etc., and is loing so even to-day. Its culture is simple, its propagation easy, and it has withstoon the rongh usage of the tenement, the mansion, the hotel and store, better than anything ever offered to the public by the florist trade. The demand for years was well sus. tainell, and is even so up to the present time. A good specimen plant has never to go begging, but can readily find a purchaser at a fair profit.

ANNA Foster.
For years this worthy fern kept growing on in the even tenor of its ways and reprorluced itself after its own kind, but in a freakish moment, cither from some peculiar surrounding or superabundance of good things to eat, it took upon itself frills and fringes and the new departure was christened by the discoverer (L. H. Foster, Doreliester, Mass.), the Anna

Foster. Anna Foster was a unique thing in the fern line. The pinnm of the long drooping fronds were deeply cut, and the fronds a little broader and somewhat longer than the parent. Anna certainly was a thing of beauty and would have been much more widely distributed had not the parents in another spell of reproductiveness given birth to another variety somewhat more frilled and fringed than Anna.

\section*{PIERSONI.}

The newcomer was discovered in the year 1899 in the grecnhouses of the F . R. Pierson Company, Tarrytown, N. Y., by a boy named Theodore Trevillian. Trevillian was put to work to cut oft the bad fronds and generally renovate a number of Boston ferns that had been standing below the benches of the rose house for lack of better accommodation; and, being more observant than the average boy, he discerned in one of the pots a slight sprig, somewhat different from the others. This he put in a small pot, and as it grew older it showerl the difference more markedly. In a short time it became evilient that a thing of real value had been discov. erel, abll from then on it was propagated with great care. Three years afterwards it was put on the market by F. R. Pierson as Nephrolepis Piersoni, but more generally known as the Pier. son fern. The sales were remarkable. It had been wincly exhibited ant has received the highest honors of nearly. every horticultural society and florists' club in the United States anti Canarla. The advance orders were great and Mr. Pierson soon liscovered that all the grecnhonse space at his command woutl be inallequate to raise the liesired quantity. He, therefore, hal a new greenhouse built to accommodate the larger sizes. This house was unique in many ways. It was among the first of the U-bar houses to be erected. It is in the neighborhood of 300 feet long and about sixty feet wide. The sash bars are two feet apart and the glass used \(2 \pm x 30\) inches. Julging from the chapter of events that followed it would seem that the house had a good deal to do with the fern.

While inside this house you are in
veritable summer garlen. No shading was applied to the glass and the plants were sulbjecter to the full rays of the sun. One would naturally think that the summer's sua would burn them up, but it was mot so. There tras always an abundauee of air and free eirculation, and the heat was never as oppressive as in smaller houses. This treatment the Pierson fern seemel to enjoy, and there were very few cases of reverting noticeable. After it was put on the market

F. R. Pierson at Home with His New Ferns.
and subjecterl to Boston fern treatment, often stamding below palms and under heavily sharled glass, the fronds grew longer and weaker, and in many cases a number of Boston fronds grew up; starvation also produced the same result. That several growers experienced this trouble it cannot be denied, and for a time it was the means of giving the new introdmetion a hack eye. "It will not succeed with the Boston treatment,'' was the general verdict, which undrombently is true, but neither will the higher grades of roses, carnations, horsanthemums, ptc., of the present time saceed with the treatment of the nld tine rarieties That Nephrolepis Piersoni has been the victim of improjer treatment in many cases has heen only too truly shown, but now that its ruftiremmots are more thoroughly underctoot it is fast regaining the popularity that it never ought to have lost. During the past season it has heen much in demand and the raisers hatwo not been able to fill the orders reppiverl.
scottil.
At the chrysanthemum show beld in Malison Square, Now York eity, under the aluspires of the New York Florists, Gluh, thee ymars ago, John Scott, Treap strowt, Prooklyn, first exhibited his sport, which he aamed Nephrolepis Sruttii. Smotio has hat a very popular rus the last se:son and has been extensively shown throughout the eonntry, where homore thimk and fast have beeu showeren uron it. It is fssentially a commercial varicty, of very frce growth and easy cmiture. It is very much more
dwarf than the old parent, with nar rower fronds, in every respect a minia ture Bostoniensis, but with its dwarfer labit it also sends np a greater number of fronds. It makes a pretty specimen and soon develops into a large plant, in which condition it looks. well, but it is in the smaller sizes that it will be most popular. It makes a very prettily finished plant in 4 -inch, 5 -inch and 6 -inch pots and is invaluable for decora. tions of all kinds. The sales are understood to be phenomenal and it would appear to be giving entire satisfaction.
riersoni elegantissima.
Nephrolepis Piersoni elegantissima, also known as the Tarrytown fern, is a sport of Piersoni, and was first discovered in 1902 in the greenhouses of the F. R. Pierson Company, Tarrytown, N. Y., in a batch of Piersoni. This was also discovered by Theodore Trevillian, (now in early manhood) who was the liscoverer of Piersoni. Elegantissima has been widely exhibited the last season and bas been the recipient of many honors in the form of medals, certifi cates, etc. It is to be disseminated gen erally this coming spring. This is unquestionably the most heantiful of all the nephrolepis family. The name elegantissima was first given to it by Robert Craig, of Philadelphia, while describing the plant to the Philadelphia Florists' Club, after he saw it at the World's Fair, St. Louis. Mr. Craig spoke as follows: "For Nephrolepis Piersoni compacta I think elegans would have been a better name, for elegance is its dominating characteristic. This will be a valuable plant, exceptional for use as fronds, in the finest floral works. It is also handsome as a pot plant.' \({ }^{\prime}\) Elegantissima is a double Piersoni. The fronds are twice as broad and only about three-fourths the length of the parent. The pinnules are again cut and subdivided and the pinnax pinnatified. There is just as much difference between the newer form as there was between the Pierson and the parent Boston. The plant is very compact in growth and makes a most beautiful specimen in an 8 -inch, 10 -inch or larger sized pan. The frond is the richest thing ever seen in this type of fern; when fully matured it has the same appearance on the back as on the front. The pinnules are so thickly set on the
midrib that they overlap one another, and taking, as it were, a profile view, the fronds are over an inch thick. The longer one looks at it the more enamored he grows. As Mr. Craig suggests, the fronds are exceptionally valuable for make-up work. They have been used extensively at Tarrytown the last two seasons for this purpose with entire satisfaction. They are particularly useful in making up bunches, used in the same way as cycas leaves. A house of larger sized specimens created enthusiasm in the Christmas holidays and many persons in search of Christmas plants, as holiday gifts, gladly paid novelty prices for these larger specimens. It will require the same cultural treatment as the Pierson. Being a gross feeder it delights in an abundance of fertilizer either in a liquid or in solid form. It must have absolute light to fully bring out the beauty of the indi vidual fronds and it seems to do better in a rose house temperature than in any other.

A NEW SPORT.
Another sport of the Pierson fern was exhibited at the chrysanthemum show in Boston in November. It seems to be intermediate between Piersoni and elegantissima. It has neither the density of frond nor the compactness of habit that elegantissima has.

\section*{IPROPAGATION.}

The Boston fern and its varieties do not seem to propagate very readily from spores. In fact, they multiply so quickly from runners that few seem to bother about any other means of propagation. A seedling of Piersoni was seen the other day at Jos. Eastman's place in Tarrytown, N. Y., raised by Wm. Scott, the gardener. Spores of Piersoni and N. Washingtoniensis were sown in the same pan, and it looks as if it might be a cross between the two. It is a robust grower and so far has not shown any sign of reverting. Bostoni ensis has certainly been a peer among ferns, and it would appear that the end is not yet.

JAS. T. Scott.

\section*{The New Types of Boston Fern.}

One bears comparisons occasionally made between Nephrolepis Scottii and N. Piersoni elegantissima in relation to


NEPHROLEPIS PIERSONI ELEGANTISSIMA.
one as a rival to the other. Now these comparisons as they are heard seem as unfair to onc as they are to the other, as the writer thinks for the following reasons: Nephrolepis Scottii is an improvement on the old N. Bostoniensis in that it is more compact, sturdier, and much less cambersome. These qualities, with perhaps the addition of some

\section*{THE ROSE.}

\section*{Rose Notes.}

It is interesting to note the many good things that are being said about the 1904 rose introbuctions.

Richmond, a dark red, similar in color


NEPHROLEPIS SCOTTII.
others, make it au ideal plant for florists.

On the other hand N. Piersoni elegantissima, while very much unlike N. Bostoniensis, is also very much unlike N. Scottii. Of N. Piersoni elegantissima one might say that each frond is decorative, the whole making a plant which once seen creates in most people the desire of possession. The graceful fronds make this favorable impression together with the peculiar make-up of the plant. It is these that give the plant so much favor in the eyes of the private gardener.

As was said before, however, N. Scottii is sturdy, compact, and a likely thing for everybody to possess, and possessing, can be reasonably sure of being able to keap alive for a long time, even in rooms where gas is used.

Nephrolenis Piersoni elegantissima is apparently not so sturdy and certainly not so compact, but just as certainly more decorative, this last qualification making it much sought after by gardeners having space to grow large specimens, to be placed later singly in the parts of the dwellings where they are needed as decorative plants. Both these varieties are excellent, in fact among the best things of recent introduction; but each possesses merits lacking in the other and should not be critically compared one with the other.
U.

Portsmouth, N゙. IH.-Robert Paterson for years bead gartlener at the Frank Jones estate, has removed to Morristown, N. J.

Battle Creek, Mich.-The door of Burt's greenhouse was inalvertently left open the night of February 13, when the mercury was below zern, and \(\$ 1,500\) worth of flants were f pozen.
to Liberty but claimed to be of much freer hahit, an excellent keejer. Unlike Liberty thas rose has shaken of the sleepy habit during the fall and winter months and is said to bloom profusely the season through and ean he grown in the same temperature as Brislesmaid.

Wellesler is a silvery pink rose, rers touble, shaped very much like Brides. maill and will from all accounts be a
welcome aldition to the list of foreng roses.

Killarmey, of last year's roses, is lloing nimely where it has been given a goon trial ant is surely a coming favorite. It is also a fine long stemmel] silvery pink rose throwing quantities of well hevelopen ilowers, the but being of unusual length.

Cardinal, which was introduced last season, is an excellent red, very much like Liberty in color with perlapis more scarlet coloring in the flower. It is ot freer labit than Liberty and is far superior to the latter in many localities.

All of the never sorts shom to be lloing finely on their own ronts. There are many others of merit. which, when they have become better known and grown more extensively, will, without a loubt. prove very profitable Chatenay is gaining many friemus in the easternstates. It has been a fiarorite in the west for several years. The thower is : salmon pink in color, the reverse petals of a much lighter shade of pink and born on very long, stifl stems. La Detroit and Uncle John are holding their own and like Chatemay have taken a firm hold on the public stancy in the western states where it is extensively grown. Surely one shouli be able to select from these varieties something that can be profitably grown. At the same time our old standbus shoult get their share of attention; Bride. Brides mail and Golden Gate are our bread and butter sorts, as the saying goes, and it will take extra gool ones to put them out of the race.

As the sun has now become much stronger the planta will naturally require more feding aml watering. it is neressary at this time to apply a gool heary mulch if the plants are vigorons. Thout an inch of well rotted cow manure chopped finely anil placerl Inosely hut evenly over the beds or benches ant covered liphtly with fresh soil. will be a great protection to the surface roots and at the same time fur-


NEPHROLEPIS SCOTTH.
nish considerable nourishment for a time. Grafted stock can be fed much of tener than own root stock and will be found to have made many more roots than the own root plants if they have had the proper care. The south sides of the benches should get a little wore of the manure than the backs as the front rows usually thy out more rapidly irom the effect of the sun being on that side the longer.

The liquid manure can be applied first as soon as the roots have made their appearance under the mulch, which is an indication, that the plants have responded to the feeding which must be kept up from now on until the plants are thrown out. Vary the liquid manure as much as possible. If green or fresh manure is applied as a mulch it should be placed in piles between the plants where in a short while it will rot sufficiently to level off. It should always be covered lightly with soil, or during fermentation in the house it will spot the foliage and sometimes the flowers with minute specks. Look after the tieing, disbudding, ventilating, fumi gating, sulphuring and particularly the watering.
E.

\section*{Peter Lambert's New Roses.}

Peter Lambert, of Trier, Germany, is offering the following new roses:

Direetor W. Cordes (Hybrid Tea-Charles Margottin x Papa Gontier).Growth medium high, strong, straight, bushy and even; fine leathery foliage. Bud thick and well pointed, always opening well and slowly; cream white Flower very large and regular, very double; petals firm and leathery, whitish cream, center tinged reddish yellow; very fragrant and lasting. Stem strong and straight, unusually free, blooming till frost. Adapted for cutting, groups or solitary plants. Requires heavy fertilizing and close pruning.

Hermann Raue (Hybrid Tea-Gressherzegin Viktoria Melitta x La France of 1889).—Strong grower, straight and very branching; wood thick and set with a few large thorns; foliage very large. Bud long, salmon colored, large and thick. Flower very large, double, outer petals broadly arched, inner ones narrower and upright; pure salmon to yellowish brick red, with darker center. Fragrant, free blooming, good for all purposes.

Graf Fritz Hochberg (Hybrid Tea -Mme. Caroline Testout \(x\) Gold Quelle).-Good grower, upright, good foliage. Bud similar to President Carnot, and similar in color. Thower very beautiful and regular, not quite double but sufficiently so; delicate flesh pink, with darker center; carried singly on long, strong, upright stem. Good for all purposes.

Frau Helene Videnz (Multiflora Climbing Rese-Euphrosyne \(x\) Princesse Alice of Monaco \(x\) Leuis Phil. ippi).--Very strong grower, smooth woorl, almost thornless. Flowers in very large clusters; the single blooms round, full medium double, pure light salmon pink; sometimes seventy-five blossoms in a cluster.

Ataensciein (Climbing Multifora Ilybril--Euphrosine x Mme. Ocker Ferencz).-Very strong grower, shoots six to nine feet long, almost smooth. Flowers on long stems, very double, shining milk white, very fragrant. Hardy and at firstclass pillar rose.

Thiergarten (Climbing Rose Euphrosine x Safrano).-Striking deep ochre vellow, small, solid, double flowers, covering the vine in short-stemmed clusters. Ilarly, lasting, very thorny. Good for hedges, pillars or cemetery.

\section*{THE CARNATION.}

\section*{Housing Carnations.}

\section*{Ed. Anemican Florist:-}

Would it be practicable to plant carnations from pots into a solid bed, after chrysanthemums have been taken out of same, providing I put new soil in the house, and plant about December 1? Which of the following varieties would be the best, Mrs. Joost, G. H. Crane, or Genevieve Lord, and how would you advise growing them after taking frem the field?
L. H.

My experience with planting carnations after chrysanthemums is such that I cannot advise anyone to follow this method, especially if planted in solid beds at so late a date as December 1. To meet with any success at all it is necessary, after potting up the plants from the field, to give them as good a bench to stand on as will grow cut flowers and they will occupy almost as
much space, therefore they may just as well be getting established in the soil. In some locations where it is possible to hold the plants in growing condition in cold frames aud where the product does not have to come in competition with early planted stock to be disposed of, there may be some chance of success by following this plan. An important point to bear in mind is that it will take the plants longer to get established in midwinter and that they will only be just started to bring returns at the time the carnation market usually has an abundant supply with the prices at a low level.

Of the three varieties I would select Mrs. Joost, G. H. Crane being very subject to stem rot and the habit and growth of Genevieve Lord makes it necessary for it to have a long season of growth to be profitable. There are several uses that a chrysanthemum house can be put to after the crop is off. It can be used as a propagating bouse and to take care of the young stock after they are potted up. It can also be used to keep up a supply of Dutch bulbs, flowering plants, and to grow Easter lilies. Also a bed of sweet peas and a batch of candytuft in most places can be made to more than pay their way. There is also a long list of


FLORAL ARRANGEMENTS AT DUSSELDORF,-FIG. 1.
bedding plants where they can be han dled which, to grow properly, requires considerable room after New Year's. I would therefore advise that, unless favorably located so that the product can be sold at a good figure late in the season, to fill up the chrysanthemum house with otber stock than carnations.
C. u. Johnson.

\section*{Carnations for Outdoors.}

Ed. American Florist:-
What carnations of different colors are best for steady outdoor summer blooming in a sandy soil where they can have all the water needed?
J. A. J.

The best carnations that we bave found for blooming outdoors during the summer months are: White, Flora Hill, Glacier, Queen Louise and Mrs. Fisher; deep pink, Mrs. Joost; light pink, Morning Glory; red, America; crimson, Harry Fenn.
C. W. Johnson

\section*{MARKET GARDENS.}

\section*{Prices of Indoor Vegetables.}

The prices of indoor vegetables at leading points February 18 were as follows: New York, cucumbers, No. 1, \$1.50 to \(\$ 2.25\) per dozen; No. 2, \(\$ 2.50\) to \(\$ 3.50\) per case; lettuce, 50 cents to 60 cents per dozen; mushrooms, 50 cents to 60 cents per pound; radishes, \(\$ 2.50\) to \(\$ 3.50\) per 100; tomatoes, 10 cents to 18 cents per pound; rhubarb, 10 cents to 40 cents per dozen bunches. Chicago, mushrooms, 15 cents to 25 cents per pound. Kansas City, mushrooms, 40 cents per pound. Philadelphia, mushrooms, 35 cents to 40 cents per pound. Minneapolis, cucumbers, \(\$ 2.25\) per dozen. Buffalo, cucumbers, 75 cents to \(\$ 1.50\) per dozen; tomatoes, 20 cents to 25 cents per pound. Pittsburg, cucumbers, \(\$ 1.75\) to \(\$ 2.25\) per dozen. Cleveland, mushroons, 40 cents to 50 cents per pound. Detroit, cucumbers, \(\$ 1.60\) per dozen; lettuce, 9 cents to 10 cents per pound. St. Louis, cucumbers, \(\$ 2\) рer dozen. Denver, cucuntbers, \(\$ 2.50\) to \(\$ 3\) per dozen. Cincinnati, the team are preparing a book to be cucumbers, \(\$ 2.50\) рег dozen.

\section*{Strawberries.}

Ed. Amehican Florist:-
What twelve varieties of strawberries seem to give best satisfaction?

Planter.
The varieties on our list that seem to be in greatest demand are Bubach, Gandy, Haverland, Kittie Rice, Marshall, Miller, Parsons' Beauty, Pocomoke, Sample, Senator Dunlap, Warfield and Wm . Belt. Of course this bars out all the newer varieties, some of which may in time rival or supersede the older ones.
M. Crafford Co.

St. Bernard, La.-J. H. Warriner, formerly of Chicago, who leased Saxonholm for a period of five years, has already started developing the place. Mr. Warriner will truck farm and raise fruit on an extensive scale.

Crescent City, Fla.-W. D. Carrier has gone to Oneco where he will take a position in the Royal Palm nurseries of Reasoner Brothers.


FLORAL ARRANGEMENTS AT DUSSELDORF.-FIG. 2.

\section*{THE RETAIL TRADE}

\section*{Floral Arrangements at Dusseldorf.}

The most prominent individual show of all shows arranged by the International Horticultural and Floral Exhibi tion of Dusseldorf, Germany, 1904, was undoubtedly the international one beld September \(17 \cdot 20\), the arrangement of which had been placed in the worthy hands of J. Olbertz, of Erfurt. Many hundreds of exhibits in all possible shapes and sizes were represented and filled a number of spacious halls. Not only most parts of Germany, but also foreigners were represented at this show. How extensive the number of exhibitors was may be seen from the fact that at the time of the exhibition not a single orchid flower could be obtained anywbere else throughout Europe. All that was available in this line had been bought up by one single firm, which in turn sold] to the exbibitors. As a proof of the appreciation of the general public it may be mentioned that the exhibition was visited September 18 by 50,000 people. Such a number has never been reached since.

Florists from all parts unanimously agreed that a similar exhibition of floral art arrangement, either in this or any other country has never been known. From various towns combination exhibits had been arranged. For instance, the flower stores of Cologne had arranged a reception room for the visit of the emperor. It represented a large parilion of about 1,200 square meters. Before an arranged imperial
throne in the background of the pavilion was spread a table in horse-shoe shape, on hoth sides of which the most various flower exhibits and arrangements hall been used by the way of decoration. Figure 1 represents one of these combination displays. A flower gift for the German empress, for which an awarl of 1,000 marks had been set, was an interesting feature. A great many exhibitors competed for this group.

Figure 2 shows the competitive work of Joh. Mortensen, of Hamburg, who was awarded the second prize. On an effective stand was arranged in three listinct parts flowers, plants and fruit in a most effective manner.

\section*{New Brunswicker's Random Comments.}

In a climate where one is snowed up for four or five months and the outside temperature varying from the freezing point down to \(44^{\circ}\) below zero, one is inclined to become pessimistic and, like the Job of the Bible, curse God and die, or be reminded of Barnum's advice: "First vocation, then location." In the latter we erred. But what an inspiration the spring has after passing through this ordeal and one becomes an optimist. Old things pass away and all things become new. We suppose that all occupations have their draw. backs, the only difference being that we do not see them. One of the attractive features in the florist's business is that it is fascinating and does not need a large ontlay to start in a small way. Another, it is healthful. If the old
poverls is correct, "Varicty is the spice of life," we can easily enmmorate many of tho changes in the oceupation of gardeniag. Propauating by grafting, budding, hybridizing, seed sowing, 'uttings, in-arching, layering, and division; iraining, disbudding, potting and planting; euting and arrangiug flowers noul designs; plumbing, earpentry, masonry and painting; stoking, digging, hoeing, raking, pruning, etc., ete.
'Lhese aro some of tho pleasant features and ehanges in our ehosen ealling. Whal about trates in comparison? A man is at one thing each day, menth or year, and thus ho becomes like tho machine ho is operating, tiresome and monotonous. To return, the first thought of extromo cold and the fuol bill of some hundreds of dollars roquires all tho judgmont 010 possesses to economize fuel, and I am remindod agrain of the old adage, "Economy study, but don't bo mean; a penny may loso a pound." So it is with firing and the florist's business. 'To overdo is as had as to underdo, but I would prefer the minimum to the maximum. 1 remomber forty yoars ago, when working in th English nursery, reading in ono of the magazines of that day to beware of a high aight temperature if one does not want drawn, siekly, insectinfested phants. This is a lesson I have never forgotten, and I consider it as good doetrine today as then. Even tropical plants are better at \(60^{\circ}\) than \(70^{\circ}\) during midwinter, with few execptions. I remember when in tho employ of tho lato C. H. Hovoy, of Boston, Mass, some thirty years ago, we had all old night fircman, an Irishman, of course. Wo who had eharge of the difterent departments often made charges against old "Con." for having tho temperature too bigh; that he must be guided by the thormometer or the weather. "'to hell with the thermometer," was often his answer; "l will keop good fires anyway."

What a blessing the automatie ventifator's alvent! I have always detested a high night temperature, even in my hed room. My contention is that the night fireman, where the plant is any way extensive, should pay particular attention to the judicions use and manarement of tho fires to kecp the diffor. ent departments right during the variations of the weather, that the nmploye's and employer's interests are the seme, and the sooner the two see it in this lirgt the better for all conerrnct.

New Brunswicker.

\section*{New York.}
-THCK veliy plofatmeth.
That werk ofurned with trading domi nated by the stante combitions as existen last week, plenty of stowk of all kinds and a domatnel along way shont of what should be nommal for the time of year. fow lines show anything in the why of a demame approaching andivity, and Weaning up is hard. hosay aro stronger than ayything ebse in the market but they for not (o)mmand other than oredinary prices, whito the quality in genwal is axpellent. Americatm Banaty in fincey grades move hriskly, hat the shorter stemmod gratings arie not taken :as frobly as might be expertom. Jriale and londesmaid roses scll well, "xtras
 stit, hut the balk of hasimess in spurimis
is lone at \(\$ 12\). In the long stemmed gradings the pink variety sells best, but in short stoek the white is tho bet tar seller. Bulbous stock continues to arrive in great quantity and moves very slomly. Prices, however, which aro practically nochanged, do not appear to infucnce sales, and concessions are not songht. Golden Spur nar cissus is very plentiful and brings \(\$ 2\) to d. Carnations are more plentiful than ever, and faney stock to bring tho max imam 6 cents must be fine indeod. Violots continuo to arrivo in quantities larger than ean be taken, and a good deal of fairly fresh stock goes off at the minimum figure. Friday and Satur day of last week, and Sunday also, being bright days with a bearable tem perature, brought out quite a number of frozen up street merchants, and some movement was given to a congested stock approathing the stale point. Prices necessarily wero borne down for this outlet, as instaneed in one sale recorded, 60,000 for \(\$ 60\). With the old stock ont of tho way the street merehant is beroming a factor in sales made at the minimum mark. Milder weather is now promised this section by the weather man, and if it is only accompanied by sunshine a reaction must result amd busincss reach tho level customary at this time of year.

Market, Febru..ry 22.-There is no chance in the condition of the market or prices. Carnations and long stemmed grades in roses aro dragging.

\section*{NOTES ON THE TRADE}
'He hours for bowling by tho Florists' Chb have been changed; 4 to 8 p. m. every Monday being now the urangement. The change does not suit the commission men, as Monday is, almost generally, the day for making roturns to growers. It is probable that a further change will bo made. The preposition mall by the outing committec to have the outing this ycar at Glenwood, : Hempstead Bay resort, June as, is meeting much fivor, and will probably be accepted at the club's mext meeting.
tohn B. Nugent, Jr., is recciving the congratulations of his fellow members in the New York Florists' Club, as chairman of the house committee, on account of the admirable arrangement made for entertaining the large number in attendance at the club on ladies night last weck. The rooms of the chub are inalequato for large gatheringrs of this kind, but both entertainmont and lunch went off without a hitel or a wait.

Tohn Gunther, who has charge of the ollico of his brother IV. H. Gunther, has boen confined to his room for ovor two weeks with the grip. On Saturday his matady was found to have developed into fyphoid fever, and he was removed to Sl. Vineent 's hospital.

Thorloy had some fine specimen plants of rhomodemirons in flower in his window ilisplay last Montay. In the same window also were somo flowering plants of piak camellias in grand condition.

The Dalacim red carnation, grown by l'. 'le. P'ierson Company, 'arrytown, lilled a vaso on l'residont Roosevelt's tillo at the dimuer of the llungarian RopmhJicim ('luh last week.
mblins Rophrs is aending in some fine purplo liber, the spray thirk in faliage.

The Saturday dollar box of flowers continues to be a leading window feature of eertaiu Broadway stores.

\section*{Chicago.}

\section*{The Martiet}

Conditions have been viriable for the week, some days opening with a strong demand, othors lagging deplorably. The week has averaged fair, bowever, and dealers are generally satisficd. Shipping conditions are improving, the weather having opened \(u\) ur considerably since our last report. Roses continue to increase in supply, exeept American Beanty and Liberty which are practically out of the market. The Anmerican Beauty that are being cut are generally of indifferent quality but the teas average fair. Carnations, except red and faney white are growing quite plentiful but the demand has hardly been run ning up to the supply. Violets have been selling well and are in good sup. ply. Bulbous stock is nearing the glutty stage, sinee carnations have become so plentiful. The local retail trade has been quiet, owing, no doubt, to tho untoward weather conditions which have prevailed for the past fortnight.

\section*{NOTES.}

Jensen \& Dekomir is the name of a new firm of local growers, they having purchased tho greenhouse establishment of Matson \& Krou, at 631 W. Foster avenue, cousisting approximately of 45,000 squaro feet of glass. J. E. Jensen, one of the partners, was formerly with the J. D. Thompson Carnation Company.
A. number of the Florists' Club bowlers are in attendance at the national bowling convention in Milwaukee this week. Charles Stevens, the S. A. F. champiou is a member of the Brunswick Juniors, a contesting team.
unarles MeKellar received a special consigument of orehids from the Summit, N. J., growers this week. Orchids are becoming a staple with the local retail trade.
'The Florists' Club held its regular mecting on the evening of February 23. E. G. Rontzahn was on the programme with a paper, "How to Beautify Chicago.'

Peter R'einberg's American Beauty' cut is holding out in good shape. Foreman Collins promises that it will continue for some time to come.

The Flower Growers' Market reports a grood month to date. Their growers and consignors are not bcing embarrassed for want of stock.

The demand for carnation cuttings is lagging. With the opening of spring and better shipping conditions will produce better results.
F. C. Amling has beon having a good shipping ruu. Ilis stock, especially in roses, has boen uniformly good.
llenty Wietor recently donated \(\$ 7,000\) to the builling fund of the St. Henry Chureh at lligh Ridge.

Mrs. Leonard Kill is improving rapidly iu health, after a siege of nearly a month.

\section*{Philadelphia.}

The mabeer.
Business has improved somewhat but the weather continues so cold and blus tering with so much snow that transient trade is much interfered with.

American Beauty roses are a little more plentiful but specials are still quoted at \(\$ 7.50\) per dozen. Liberty are hardly keeping up with the demand. Carnations are selling very well, there being but little surpins with \(\$ 2\) for the bot tom price for anything worth having. White were very searce the beginning of this week, \(\$ 3\) being the price for only fail stock. Freesia moves will at \(\$ 8\) to \(\$ 4\) and for the extra \(\$ 5\) per 100 . Cut lilae in bunehes is in good demand at from 75 eents to \(\$ 1.00\) per dozen sprays, the bunches hringing from 75 cents to \(\$ 2\) aceording to size. Harris is sendin! in stock which in foliage, fragrance and body is almost, if not quite equal, to the outdoor flowers of spring. Quito a business is now being lione with blooming plants, cte. Gardenias came in with a rush last week and sold as low as \(\$ 1.50 \mathrm{per}\) dozen for very fair stock. Robert Craig \& Son have now some very fine stock in 6 -inch pots with several thowres open and plenty of buds. These should sell well.

Flomists' club.
It has been decided by the committee having the matter in charge that the next meeting of the Florists' Club of Philadelphia, to be held Tuesday, March 7 , will be rose night. The members of the cinb are anxious to see all the novelties among roses that are likely to become popular. All those having such are invited to bring them to this meeting, or if it will he impossible to do so, kindly forward same by express, prepaid, in eare of David Rust, Horticul. tural hall, Proad street, Philadelphia, Pa.

Binwin Lonsdale, Sec'y.
Asparagus plumosus sprays irom Florila ard heiner sent to this market; they are all right and until the business is overdone should prove profitable to the grower.
The inaugural ball at Washington is taking quite a los of plants both foliage and flowering. Messrs. Craig \& Son and W. K. Harris are senting some of their best stock to Small who has the contract.
Mergenthaler, of Germantown, is adding an extensive range of glass. Ite reports his new retail establishment as going ahead of his expectations.
Robert Craig says he planterl 2,000 Scottii ferms instrad of 1,000 as stated and woukd have plantel more but couh not get them.

The Leo Niessen Company is pushing bulbons stock along and hambling immense quantities of daffodils, nareissus, tulips, etc.

There must have been some extra shipments of dagger ferns tu this city recently as all the wholesale men are pushing them.

The Ihiladelphia Cut Flower Co.s valentine blotier matle a great hit.

Fred Ehret is handling F'aust's Adiantum Croweanum.

に.

\section*{Boston.}

MARKEt shows better tone.
The market at last shows a decifledly bettor tonc, prices of alt lines having stiffened up. Dafforlils both single and double are short and good tulips are scarce. Colored carnations are very short and have been all winter. While red roses have in previons weeks been ratber short, the demaud seems at last
to have swang the ofler way, and white roses ot the better varieties are searece. Violets amd Easter lilies are holding their own both in price and quality. The nsand increased trate on St. Valendige's day wals not in evidence this year, as the morning was expeptionally cold and lat rery few flowers wern hrought in.

\section*{Notes.}

A large number of people attended the jonduil sale held by the well known anthor, Mrs. Malgaret Deland, at her residence on Newhury street. For the past ten years Mrs. Deland has held jonquil sales, the proceeds being devoted to some special charity. She has always grown the plants she sells, aml although their care takes up it gool theal of loer time, she says that the pheasure she has reepicel from attent fog to them has more than repaid her.

The following new members have henn voted in ley the Massachusetts Jorticultural Society: William .I. Hoyt. of Manchesier, N. II.; Frank A. Day and llanry B, Daty, of Neaton; Mrs. Susan E. Franal, of North Faston: Miss susan W. Iardy, James . 7 Storrow, (iardiner M. Lane, Thomas \(P\) Beal and David Loring, all of Boston, aud James Stuart, of Brookline.
Doyle, the florist, has had on exhibition at his Beacon street store tho nast week, the vase of 50 carnations which won tho prize at the carnation show at Horticultaral hall last week, they heines grown by William Nicholson, of Framingham.
Miehacl J. Norton, of Park strect, supplical the decorations for the dinner of the Massachusetts Fish and Game Protertive Association beld at the Copley Subare hotel last Thursilay.
J. J. Comley, of Newburyport, has had his whole stock ruined by a leak in the gras main, the gras being carrien through the gromal and entering his greenlonses.

Galvin, the florist, furnished some "haborati dmorations for the Gaskillbow wadling at King's chapel on sat uruay.
'The Coorge \(\lambda\). Sutherland Company reeently employet a new wire worker, Joseph Kanhux, formerly with lansky.
Nipliolas \(F\). Mecenrihy and Villiam J. Elliott are experted home from the West Jundins trip noxt weok.
llongy A. Ronbinson \& Company are paring some very fine ferns on the markert tha prosiont work.

Henry Jיmm, of Bromfield sireet, has just jul on a finn hew delivery wagon.
II. P. S.

\section*{Baltimore.}

The materst.
Thure is mot mum change in the conditions of the put flower trade, the drmand being not "xemsive, harlly normal, but kecping fully up to the supply in most bases. Through the week grool rosis lave bran unecedingly scarce; American Bandy practically unobtain. able in ther local narket, and all other sorts barely sufliciont for daily calls. 'lhure was not emongle grod stock on St. Valentine's day to gro aronmal and many more roses, lily of the valley aud violots would have bon promptly, even eagerly taken up. Carnations increase in numbers ant show marked improvemont in quality. Singlo violets are growing in momintily 'Thn weather
shons fair symptome of vernal chatuges. Wh: 111 1 110 ham show storms, cold "imls, slay streets, am then slush for :1 fraw hmars in the midhe of somp hays, makr יIf :muther week of dokeful and
 it all thor have hom some few das with loright sumbhime and some little wameln, whibl draw prople inte the slrents.
S. P.

\section*{St. Louis.}

The marliet this week has hord its कwn. 'The dist part of wovk was very cold. I bolets on hat. Valantiness day
 intruse rolld the shipments dill but :ursive till late in the afternoos of tha lith, thent there were too late to lan ut any servion for that day. Now ther
 up sales at de jur \(1,0 \% 0\). C'arnations are now plontiful, rspurially coloral. White

 than last work. hilies are in womb Armame amel soll readily if they are in good mondition. A groml many llarrisii Tilies are bally lumised amd some lefter methor of pateking shouhl be fomud bey the prowars in orter to avoill this. Smilax amb asparagus ato selline well.
Ostertag brothors report trade doonl. especially in fumeral work.
S. II. Hilbhert, "1 Ll" Koto, Mor.. W:as a visitor this wrolk.
dimmes Amta with lommer fon is slightly indisposml.

\section*{Cincinnati.}
'The exhibition of rosses at the rumbs of the Florists' soroboty last saturday was atmeses in ewry fationtar. Tha hlomms "vhibited wirn tirst "lase ambl the exhihitors might well forl pornd nt their "forts. dmige "Then. lonk, of Jlamilom, O., awardent tha promimas amd his dewisions enve salisfation in
 first for last permoral display, alsu 014

 d Allan, tirst on Matem and Jorlo: Som-
 third on Bridremaing. CGus Dhoiry was first with linda am! swond un brides. maid. D'etore Weilame was thime oun Brinle. A sase of the new poss lomelo John was also shown by Peter Rome berg,

There has been : grod businmes in the shipping line althongh lowal forists hasw not boms very busy the lant frow days. ('armations are increasing in duantily but the supply of roses in mat口и to the damaml. Violets are dim and
 ther amel there is a grow market for lilim. Asparagus and smilax is subline wall and the supply is miminislofore.
"Aaromee Ohmer wha hats hown ailime for the gast six works, is agram ahble to he abont and has remummal his dations at


Julius lanor is busy tittimer wh his nuw
 finest store in this rit?
 diselppeared snmm six works ago and his wferes have luen attamed :umd sold, not


\section*{THE AMERICAN FLOBIST}

\section*{Subscriptiou, \$1.00 a year. To Europe. \$2.00 \\ subscriptioos accepted only from thos is the trade. \\ Adrertisements, on all exepnt cover pages. \\ 10 Ceuts a Line, Agate; \(\$ 1.00\) per ineh. \\ No Special Position Guaranteed.}

Disconets are allowed only on cons cutive Inser fions, as follows it times, 5 per cent; 13 times, 10 per ceot: 26 times, 20 per cent; so times, 30 per cent.
Space on froot pages and back cover page sold pace on froat pacps and back cover page sol
only on yearly contract at \(\$ 100\) per ioch, net. The advertisiog Departmeat of the American Forist is for llorists, suedsmen and aurserymed ad dealers in wares pertaining to those linesooly Orders torless than one-half inch space not accepted.
Advertisements must reach us by Wednesday to secure iosertion in the issue for the following Siturday. Address

AMERICAN FLORIST CO., Chleago.
When sendtng us change of address, always send the old address at the same time.

AND don't forget that prices for plants and flowers must pay those below zero coal bills.

\section*{Effect of Soot on Lilies. Ed. American Florist:-}

What are the effects of soot on lilies, mised in the soil and applied in liquid form: \(]\) have tried it in liquid form on early Harrisii lilies, and all the tips of the leaves died or turned brown. Was the liquid too strong-I used a bushel of soat to a barrel of water?

Beginner.
The effect of using too strong a solution of soat is noticed in the tips of the leaves turning brown within a week after using. The remainder of the plant seems unaffected. Soot is dangerous to use on lilies and we do not advocate its use.

Hyacinths and Narcissus for Easter. Ed. American Florist:-
How long will it take to bring in hyacinths and Narcissus Von Sion for Easter in a greenhouse with a temperature of \(55^{\circ}\) at night and \(70^{\circ}\) in the daytime?
W. D.

Hyacinths and Narcissus Von Sion will take about a month iu a greenhouse with a temperature of \(55^{\circ}\) at night and \(70^{\circ}\) in the daytime to come in for Easter. Easter comes so late this year, however, that if a cool greenhouse is available, hyacinths and narcissus, by anopting the usual methods, would come in just about right if left there; but if, as the inquiry suggests, a greenhouse with temperatures as stated is what the grower has at his risposal, he will not be far wrong by putting them in the greenhouse a month before Easter.

David McIntosh

\section*{That Misfit Glass Tariff,}

Ed. Amemican Florist:-
Since the cost of glass is one of the chief items in greenhouse construction and repair, it would seem as though the florists ought to be unanimous in pushing any measure which promised to bring about a reduction in the price of that article. There ought to be no quesfion that a reluced tariff would enable us to buy cheaper glass. The "protection of infant industries' has been a \({ }^{c}\) loak usef to cover a great many unjust
exactions; and while \(I\) confess to a great deal of ignorance of the exact facts in this case, the general impression certainly is that the glass business in this country is dominated by a trust, and that except for foreign competition we are absolutely at the mercy of this trust.

Whether Mr. Smith is correct as to the margin there is in this business, must be a mere matter of conjecture to the most of us; but as glass has been manufactured on an extensive scale in this country for a great many years, the glass industry ought by this time to get along without protection. Any morement on the part of the florists must be very general and simultaneous; and it must also be made at the right time, if it is to have any effect, because the glass manufacturers are certainly alive to their own interests, and are going to use every effort to secure a continuance of the pratection they have so long enjoyed. Our senaters are so strongly entrenched, as a rule, that many of them would feel they might safely ignore the protests of their florist constituents; but it certainly ought to have a great influence upon the actions of the representatives, if every florist in the country would write the member from his district urging that some action should be taken upon this question. So far as we are concerned in this immediate locality, the question of freight is fully as vital as the question of the tariff; but we would hail with delight the prospect of any relief in either direction.

> J. A. Valentine.

\section*{Society of American Florists.}
department of plant registration
A. E. Mauff, Denver, Col., submits for registration Nephrolepis Bostonien sis Mauffii. A sport from Nephrolepis Bostoniensis. Described as a stronger grower, the fronds arching and forming a double curve; pinnæ strikingly undulating.

Introducers of new varieties of plants home-raised or imported, whether members of the society or not, are earnestly requested to send to the secretary a list giving name, origin and description of such new plants, to be disseminated during 1905, for the purpose of record in the annual report of the society

Wm. J. Stewart, See'y.

\section*{Meetings Next Week.}

SSecretaries of societies are requested to send us advance information of special meetings. and of changes in dates of regular meetings.]

Baltimore, Md.-Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoge strcet, Monday, February 27, at 8. p. m.

Boston, Mass.-Massachusetts Horticultural Society, Horticultural Hall, Saturday, March 4, at 11 a. m. Lecture on "Some Aspects of Ilardy Flower Culture,' ' by A. Herrington.

Clevelanc, O.-Cleveland Florists Club, I'rogress IIall, 244 Detroit street, Monday, February 27, at 7:30 p. m.

Detroit, Mich.-Detrait Florists ' Club, Cowie huilding, Farrar and Gratiot avenue, Wednestay, March J, at 8. p. m.

Grand Rapils, Mich.-Grand Rapids Florists' Club, Board of 'Trade rooms, Pearl street, Monday, February 27.

Iolyoke, Mass.-IIolyoke Horticultural Society, Werlnesday, March 1.

Manchester, Mass. -North Shore Horticultural Society, Friday, March 3.

New Bedford, Mass.-New Bedford Horticultural Society, Tuesday, February 28, annual supper.

Oceanic, N. J.-Monmouth County Horticultural Society, Friday, March 3.

San Francisco, Cal.-Pacific Coast Horticultural Society, Saturday, March 4.

Utica, N. I.-Utica Florists' Club, 183 Genesee strect, Thursday, March 2, at \(8 \mathrm{p} . \mathrm{m}\).

Worcester, Mass.-Wercester County Horticultural Society, Horticultural Hall, Thursday, March 2, at 2:30 p. m. Lecture on "The Missouri Botanical Garden and its Work,' by Edmund A. Engler, illustrated by stereopticon.

\section*{Advertising in a Trade Paper.}

There is no exaggeration in the claim that the trade journal provides the cheapest and most effective means of introducing many articles of merit. Everyday experience proves the accuracy of the assertion. But it does not mean that the average merchant who is well stocked is going to buy at once because he has seen an advertisement that has interested him, nor that he will do more, as a first step, if he needs goods. of the class advertised, than send in the usual inquiry for samples, or further information, which, if found satisfactory, will justify his giving an order for a new article.
The wisdom of keeping an advertisement before the trade is more than obvious. Goods that are already well known are kept to the front in this way, and some of the most liberal advertisers in trade journals are manufacturers who have nothing new to sell, but who appreciate the impertance of competition, and who will not permit competition to obscure, by their own neglect of advertising, the merits of the goods they offer.

To establish the sale of a new article, although aided by the intelligent recognition of novelty and improvement on the part of the retail merchant, surely calls for patience and liberality in dealing with the organs devoted to trade announcements, but which is justified by results, as the success of well conducted trade journals makes abundantly manifest. And as a class of publications taught by their own interests, trade journals do excellent service to their advertisers by their fair and mod erate presentation of information in their reading columns. In brief, they do everything but show the goods offered for sale in the store of the retailer, and at a reasonable price charged exclusively for advertisements.

All well conducted trade papers pre serve their independence; they lave not a line of rearling space for sale. They make no pretensions to do more than lias been mentioned, but they do their work well, with beneficial results to all concerned, provided what is offered is meritorious and a reasonable persistency maintained in placing it before the trade.-Trade Press List.

In sending in a change of address it is important that the old address be given as well as the new. This will greatly aid us in locating your name on our mailing list and prevent delay in making the desired change.

\section*{SITUATIONS, WANTS, FOR SALE. One Cent Per Word. \\ Cash with Adv.}

Plant Advs. NOT admitted under this head.
Every paid subscriber to the american Florist ror (situations only) free to be used at any time during the year.

Sltuation Wantad-By a first-class rosa grower age 25. Can giveg od references. Address box 170, care American Florist
Sltuation Wantor-By a good rose grower; can
show best of references. Please state wages paid. show best of references. Please state wages paid.
Address Box \(\mathbf{1 6 5}\), care American Florist.

Slluation Wanled-By an s.ll-ground grower, middle gyed west preferred and witbout board. Address

Hos 173, care American Florist
Sltuation Wanted-By young man desiring to learn the trade; prefer growing roses and carna Box 171, care American Florist.

Sltuatlon Wantad-In small place, as carnaion, rose and mum grower, able to take charge aged 28, can show first-rate references Address Box 168, care American Florist.
Sifuatlon Wantod-By gardener and florist: Germau, single, age 29. Good experience in greenbouses and lanascaping. Cyclamen growidg a specialty. Address

Sltuation Wantad-By competent gardener lhorougbly experienced in all departments, is open for engagment after Narch 1, private place preferred. Address

Box 177. Care American Floriat.
Slfuation Wantod-By experienced florist, 28 years old, Hollander, good grower of roaes, car nations, mums and general line of pot plants Grst-class references. Address

Box 166 , care American Florist.
Sltuation Wantod-OD a private or commercial
place, by an expertenced young man, siogle, 25 place, by an experienced young man, siogle, 25
yaars of age; life experience in all different ysars of age; life experience in all differ

Box 164, care American Florist.
Sltuation Wantod-By a young German florist; 12 years experence in greenhouse work, retai flower store, decoratiog and design work. Please state wages.

935 Palaski St., Milwaukee. Wis.
SItuaflon Waniod-By practical florist: is years' experience on commercial places. Ger man-American, age 28, married, no cbildrea best of references. Near Boston preferred
A. Koca, bar stevens St., Lowell, Masa

Situallon Wantod-By llorist, apeaks German and Hungarisn, good experience in all depart ments, cill grow good roses, carnations, trete Diploma from Budapest, Hungary, Address

Thomae Madabaet, 1011 S. Thomasst.
South Bend, Ind.
Sltuatlon Wanfod-As working loreman, 33 years of ape, siuple, reliable, sober, German, 19 yesrs' experience in roses, carnations, bedding, design, landscape, vegetables, etc.; best of refer ences. Please state wages. Address

Bos 163, care Americso Florist.
Sltuation Wantad-By French gardener, 80 years old, single, sober, life experience in all brancbes. American private place in east prelerred ca
b GCERBY
Eightb St., wear Olfve, St. Louis, Mo
Sltuation Wantod-By a No. 1 florist as foreman or manager, 20 years' experience, married striculy lemperance; pond salary expected, cood strictiy temperance: good salsry expected, good Address Box 180 , care American Florist.

SItuatlon Wantad-ISy German llorist age 21, single, life experience iu rosea, carnations 'muros and general stock of bedding and deco rative plants: neat and quick worker, as grower erences. please stare full particulara. Address Bos 178, care American Florist.

Slluation Wanlad-By Al grower of roses, carnations, 'mums, palms, orchids and general liue of bedding piants, also vegetables; married, no proftably; ean bulld and equip greenlouses if proatably; can build and equip greenho Aduress Box 159 , care American Florist.

Sltuation Wanled-By practical florist: Ger mon, single, tife ex perience as working foreman Can bandle men successfully with best results Good grower of cut flowers and general stock of edding and decorative plrnts. First-class prop gator Good quick worker. Re

Holn Wanlad-Good rose grower and general greenhouse work. Address
C. H. Frex, 1133 O St., LIncoln. Neb.

Holp Wontad--Single man for cut flowers and bedding plants. Tge F. BloNDeEL Co., Ill.

Help Wanted-Grower with experience in roses and carnstious, single man preferred. Address M1ws. A. M. SCEAFER, 229 Balmoral Ave., Cbicago.
Help Wanted-Grower's assistant, young man Hitame experieoce in cut how hodge tock. Address Siour M. M STrona,

Halp Wanted-A reliable man to take charge of small place, to grow carations, roses, 'mums, iolets and general stock. Address
E. Power, Frankfort, ly.

Halp Wantod-Anassistant for carnations and iorels, must be sober and steady and not afraid of work. Address
Huab Cbesney, Farmington, Cond.

Halp Waniod-Good counter man in seed store, must understad gardentrs' requirements; give eferences, age, qualtications and preaent cond tion. J. A. Everitt, Indianapolís, Ind.
Holp Waniad-Young man with experience io bedding and jot plants, must be a bustlet to hold Address \(\quad\) C. R. Hills, Grand Rapids, Mich.

Holp Wanted-liardeners, 25 to 30 years of age, with some knowledgs, of landscape gardeding good wages; only good worker's need a pply. good wages; only good workers need apply.

Holp Wantod-F orist and gardener: middleaged, single German preferred. Will gave charge and steady position to a good man. Write for particulars to

Joun Feiden, Great Falls, Mont.
Holp Wanted-Working foremau, 25 to 3 years of age, withexecutive abinty, capable of handling men, acqualuted with landscape gardeniag.
Iddress C. F De Wereb, Head Gardener,
Lewis Pub. Co., St. Louis, Mo.
Help Wanted-Specialist to grow pot roses to
perlectun (tu bud and bloom) for the wholesale prade. there are over \(\hat{6} 0,000\) in all the hest varltrade. there are over 0,00010 all the hest variences or testimonials required. Address

Help Wantad-A florist who uaderstands roses, araations, 'mums and general stock. Youag siogle man preferred. Wages 87.50 with good board and room. References required. State particulars in tirst letter.
J. H. Krone, Jr., Fort Smith, Ark.

Holp Wentod-Gardener and florist, a man capable of takiog charge of vegetable garden and flowers on our grouuds, single man preferred. Address piving espurieuce, references, age ead salary expegtod, we to furaish room and board
the year round. Stamon,

Hotel Mgr., Mudlavia, Kramer, Indiana.
Holp Wantad A pood grower of roses, carnatioos, chrysauthemums and general stock of plants. Musc be sober and good worker. State euces. Address

Sunniside Greenhouses. Owosso, Micb.
Holp Wantod-Young single man as gardener and flurisc on private place at Lake Mnonetonka. Must be bright, pleasant soher and neat appearing; ble to haudle men and keep grounda, gardens and greenhouse 1 a proper shape. Good treatment refercaces in first letter. Place open April 1; Wages \(\$ 3500\). bosrd and lodging. Address
D. II. Desmond, St. Bonilacius, Ming

For Sale-Ballard's Greenhouse. \$is0.
For Sala-Retail flower store; good Jocstion Cbicagu. Box 131, care American Florist.
For Sale-About 9,0,0 aquare feet glass, good dwelling, one acre ground; no competilion. Resson for selling. rhaumatism. Address

For Ront- \(\$ 50\) per month, flye greenhouges, 9,000 square feet of glass, nine and one-half acres or good ground, house and hari, long etck, near Chicago. Address \(\$ 1,00\) cash for stock, etc, near Carcago. American Flori
Box 152 . eare Amer

For Solo or Lasse-For a term of years, a modern greenbouse plant of \(25,000 \mathrm{sq}\). It. of glass, Stable, cotrage and hen houses
ssachusetta village. Address
Box 174 , care American Florist.
For Sale or Ront-Opportunity for capable man, with or without espital, greenhouses to ten or buy, \(\$ 600\) tor stock and \(\$ 300\) a year for rent, or
\(\$ 3,000\) to buy. WIll mase payments possible to right man. Address
Lox 187, eare Americsu Florist.

For Sale-First-class greenhouse property in good condition, 8,000 square feet of glass, mre or
less, 100 miles south of Cuicago, main line \(\$ 4,000\) less, 100 miles south of Clibago, mann line \(\$ 4,000\),
\(\$ 1,000\) cash. balance on time, or will exchauge for \(\$ 1,000\) cash, balance on time, or will exchauge fo
good improved farm, south preferred Address larm, south preferred Address
Box 179 , care American Florist.

For Sala-Greeubouses and retall store in Galveston, Tex. Owing to illness will diapose of a good business at a reqqonable rste. Have worked Full particulars may be had by addressiog
Bna 175 , rare American Fiorist.

For Salo-d greauhouse property to n Hourisbing town of 8,000 inbsbits,nts in the state of Indians, houses stocked with roses, carnations miscellaneous stock and bedding plants; a sep arate store building in frodt of greenhouses. For
particulars address

For Salo-Nurseries of three acres, including 12,000 leet of glass; beated with hot water, fulls stocked with palms, ferns a od house plants ay feet of lath house, 5,00 smiax, 500 Aspsr agus plumosus, etc. The site is on the bon-ton street, further particulars and price address

715 Braly Building. Los Angeles, Cal.
For Sale-llaving decided to retlre from the greenthouse business we are going to sel our entire plant at a bargain, consisting of 12,000 squsre feet ol glass, all built new and up-to-date hested with steam, complete for carrying on retail or wholesale business, two dwellings, barn and all equipments for running a first-class establishment; been establisbed 12 yesrs in a city o 10,000 ; no competition, elegant retail trade, plenty of land for endarging, For particulars address

Box 1テ̈z, care A merican Florlst.

\section*{UNUSUAL OPPORTUNITY.}

For Salo-Greenhouse property, stock and retail business, consisting of eight greevbouses and store, about \(22, C 00\) feet of glass, fully stocked and in first-class running order, steam beat, electrlo lights, etc., situated in wealthiest part of Phils delphia, riyht in center of a growing population Doing o first-class ratsil business. A splendid opportunity; only \(\mathbb{S}_{3} 500 \mathrm{cash}\) required, remainde can remain on mortgage at 5 per cent. To clus

\section*{Florist Wagon For Sale.}

Built to order of the very best materlal, seal and sides uploolstered in leatber, two wandowa on each side, double plate beveled glass. color of painting, body dark Prussian blue with gold running gear, wheels painted vermilion red with black atripes, silver ande larops, eight movable shelves inside, everything first-class anod cost \(\$ 235\) eigh'een months ago; rubbertires All quaran teed as represeated. A fae wagon for florat in large city: is very atractive. Will give six monibs'credit to responsible party. Have three others and can do without it. Prica
WALTER BUTLER, Floris, Chillicolhs, 0

\section*{Wanted...}

For a considerable establishment ln Ger many; nurseries and greephouses; cut Howars fIRST-CLASS MANAGER, GERMAN. 30 to 40 years, evangelic, best recommended must understand management io geaeral and special growing of roses and caraations Wrges, 875.00 per month, shsre in prot̂ts free lodgment and fuel. A permanent posi-
tion to the right party. apply at oDce. tion to the right party reply at once. letter. Addriss

Boz 168, caro AMERICAN FLORIST


\section*{San Francisco}

ROSE SHORT IN SUPPLE.
We were treated to splendid meather the past week. The scarcity of roses still continues. All kinds seem to be off crop at present. This scarcity helps to move the large quantity of carnations which are arriving. Some of the fancy varieties took a drop this week. The warm weather last week put the Lawson a little off color. Flamingo also did poorly. The retailers claim this pariety does not keep as well as would be expected. Some Harrisii lilies are coming in, but not very freely as Fet. The mild weather has thrown plenty of bulbous stock into bloom outdoors, such as tulips and Dutch byacinths. Orchids are going freely, with prices firm. Smilax is bringing from \(\$ 1\) to \(\$ 1.50\) per dozen strings. Shipping trade was not up to the standard of former years owing in a great measure to the mild winter in the north and the carelessness of the express companies in overheating of the express cars. The complaint is very general in the latter case.

\section*{notes.}

Joseph Thompson, head gardener to Dr. Tevis, has a great showing of hyacinths. There are many thousands planted here of almost all varieties. The greenhouses contain a fine collection of decorative plants. Dr. Tevis is about to begin work on the new aquarium which he is presenting to Golden Gate park. It will be the finest in the world, costing over \(\$ 3,000,000\).
H. Plath, probably the largost grower of decorative plants in this vicinity, has all his houses in splendid shape. His new seedling adiantum is a fine thiug, but Mr. Plath says he has a newer one that surpasses them all. Mr. Plath is state vice-president of the S. A. F., having been appointed by President J. C. Vaughan.

George Nunn, gardener to S. E. Slade, at Menlo Park, has a magnificent show ing of orchids and decorative plants at the recently erected conservatories. Although this is a comparatively new place, remarkable strides have been made in the way of developing the natural beauty of its surroundings.

John O'Hearn, formerly head gardener to the Hayward estate at San Mateo, has entered into a co-partnership with C. Hermann and they have erected several houses near Laurel Creek. They will make a specialty of carnations.

Otto Haeffner, who for several years has been in charge of Lynch's range of greenhouses at Menlo park, has resigned. Otto made a host of friends during his stay at this establishment who regret to see his cleparture.

A visit to Frank Mills' place shows everything in first class shape. The large new house recently added is planted to longiflorum lilies, all of which are looking thrifty and free from lisease.

Navlet Lrothers, of Sacramento, are crecting several greenbouses at their rucently furchased property on the Rivorside road. They will be devoted to flowers for the firm's store on K strect.
dohn Vallance, head of the plant department of the Cox Seed Company, says trale is very good with a hoalthy lemand along all staple lines.

Joseph ofothim, recently in charge of the Jis. 1. Jiloorl grecuhouses, has
accepted a place in the orchid houses of John H. Silvers \& Company.

Serveau Brothers are making many improvements at their branch at Portola and are already busy at work on stock for next season.

The new iron greenhouses which Paul W. A. Grallert recently erected are giving splendid satisfaction.

Mr. Schenck, representing Lager \& Hurrell, Summit, N. J., was a visitor this week. Norma.

\section*{Pittsburg.}

\section*{florists' club meeting.}

The February meeting of the Florists Club eclipsed any other like event held by the club, in point of interest and enthusiasm. The meeting produced three important features, the election of club officers for the year, the presen tation of a sterling silver coffee service to the retiring president, Mr. Falconer, and a lively discussion on carnations from a commercial point of view. T. P. Langhans was elected president and is highly deserving of the honor. He will no doubt continue to create interes that will keep the club moving in the same successful direction. Following are the names of the other officers for the year: E. C. Reinaman, vice-president; H. P. Joslin, secretary; E. C. Ludwig, assistant secretary; Fred Burki, treasurer; P. S. Randolph, John Bader and Fred Burki, executive committee.

The president appointed John Wyland, W. Clark and E. C. Ludwig as a committee to render judgment on the blooms exhibited. H. Weber \& Sons, Oakland, Md., displayed their prize winner which received a medal at Chicago, under the name My Maryland. The F. R. Pierson Company, Tarrytown, N. Y., showed White and Variegated Lawson. A. J. Guttman, New York, showed Victory. John E. Haines, Bethlehem, Pa., showed John E. Haines, Yellow Star of Bethlehem, and a white seedling, No. 337. A. B. Davis \& Son, Purcellville, Va., showed Red Sport. J. L. Dillon, Bloomsburg, Pa., showed Crisis. G. H. Crane and A. Lorch, De Haven, Pa., an assortment of carnations; The Pittsburg Cut Flower Company showed Lady Bountiful, Fred Burki and others.

The discussion regarding carnations was participated in to a lively extent and to sum the matter up it showed that the commission and retail firms are anxious for the entry of some new pink carnation, one that will have character, size and grace. When it came to the presentation, Mr. Falconer was indeed surprised. The president outlined Mr. Falconer's valuable services to the club in a fine address. Mr. Falconer expressed his gratitude for the appreciation of his services and the beautiful gift and invited all the members to come and see him and drink a cup of coffee with him.
E. L. M.

\section*{Minneapolis.}

Business has shown an increase and with a minimum amount of stock prices have advanced. Bulbous flowers are appearing more numerous than heretofore and their appearance is much welcomed.

The marriage of one of the nieces of Mr. and Mrs. Thomas Lowry, at St. Mark's chnrch, was one of the many elaborate social functions which called
forth the decorator's skill. O. S. Swanson had the arrangement in charge. Wild smilax, palms, ferns and a choice assortment of cut blooms were used in quantities.

Ralph Latham and Will Desmond are opening a cut flower department in the Dayton dry goods store. Nothing is being spared in the way of fixtures. The location is the best on the main floor. Mr. Latham will also continue his Tenth street store.

Murtfeldt \& Patthey, S26 Nicollet avenue, report a good trade the past month. They have added an attractive delivery wagon to their business since the first of the year.
C. F. R.

\section*{Columbus, 0.}

A meeting of the stockholders of the Fifth Avenue Floral Company was held this week and the following officers were elected: C. K. Seibert, president; T. D. Seibert, vice-president and general manager; G. H. Woodrow, secretary and treasurer. This firm was organized about five years ago and has been doing a prosperous business.
C. A. Roth is doing considerable improving on a two-acre plot on the south side. He contemplates putting up some glass this spring and will grow some of his stock for the store, 5 North High street. Mr. Roth was in the grow. ing business some years ago and for the past few years has had a desire to grow at least part of his stock.

The new park commissioners had Gov. ernor Herrick as an invited speaker this week. The governor soon convinced them by his talk that his experience and knowledge of park work was more than the board had expected, and as a consequence were greatly benefited by the remarks made.

Carl.

\section*{Madison, N. J.}

The Morris County, N. J., Gardeners" and Florists' Society held its regular meeting on Weduesday, February 8 , in Masonic hall. The event of the evening was the reading of an essay on, "The new Varieties of the Chrysanthemum for 1905,' 'by C. H. Totty. The paper was well received by the nembers and a hearty vote of thanks was tendered to Mr. Totty for his effort. It was supplemented by A. Herrington with a comparison of the European and Australian varieties as grown in America. Methods of seed saving in Australia and New Zealand were explained, and a fact stated, new to many of us, that flower buds in these places are taken in February instead of our usual time on account of the difference in geographical location.

The next meeting promises to develop much excitement. F. W. Holt, of New York, has donated a pair of gum boots, to be bowled for by the individual members of the club. After a short business session we are to adjouru to the alley and prove what we are made of. A committee composed of Messrs. Herrington, Totty and Duckhan is to arrange the handicaps, so that every member will have a show to win.
E. R.

Grand Rapids, Mici.-The Grand River Valley Horticultural Society met February 14. The subject for discussion was, "Horticulture at the Great Expositions.''

\section*{Our Idea.}

The idea on which this business is built and the idea which has built this business is that every one of our customers is a partner in the business; that the better flowers we give him, the better service we give hin, the more money he makes and the more we shall make in the long run.

It is our proudest boast that some of the men who do business with us are practical florists who know good flowers from the ground up, and who buy from us because they can do better and have a greater assortment to sell from than they could profitably grow themselves.

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\section*{WHOLESALE}

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Wholesale Flower Markets
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Milwatiee, Feb.} \\
\hline \multicolumn{2}{|l|}{Roses, Beauty, long, per doz.} \\
\hline & \(2.00 \bigcirc 3\) \\
\hline sh & \\
\hline Liberty & .00@1200 \\
\hline " Cbatena & b00@1200 \\
\hline " Brlde, Bridesm & \(6.00<1000\) \\
\hline " Meteor, Golden Gr & 30001000 \\
\hline *. Perle & 3.000800 \\
\hline Carnatlons & 1.500 400 \\
\hline Smilas & \(1250 \times 15.00\) \\
\hline Asparagus spr & 200 \\
\hline Valley. & 300 \\
\hline Adiantur & 1.50 \\
\hline Violets & 50@) 1.01 \\
\hline Callas & \(1250 @ 15.00\) \\
\hline Romans, Paper & 300 \\
\hline & (a)12.50 \\
\hline \multicolumn{2}{|l|}{Pitteburg, Feh. 2.} \\
\hline \multicolumn{2}{|l|}{Roses, Beauty, extras............... is 00@3500} \\
\hline & . 80001200 \\
\hline ordin & 300 (1) 500 \\
\hline Bride, Bridesmaid & \(300 \bigcirc 15\) c0 \\
\hline Meteor & 600010.00 \\
\hline Liberties & 8.6002000 \\
\hline s* Perle, Chaten & . 3000800 \\
\hline Carnations. & 1.00@ 500 \\
\hline Lity of the palley & 3.0000400 \\
\hline Smilax.... & 12.50@15.00 \\
\hline Asparagus, atrings \(^{\text {a }}\) & \(2500 \bigcirc 50 \cdot 0\) \\
\hline Asparagus Sprenger & 2.00 (1, 300 \\
\hline Lllies & \(1200 @ 1800\) \\
\hline Adiantum & 1,10@3) 1.50 \\
\hline Mignonett & \(100 \times 400\) \\
\hline Daffodils & 300 It 6.00 \\
\hline \multicolumn{2}{|l|}{Cincinnati, Feh. 22.} \\
\hline \multicolumn{2}{|l|}{Koses, Beauty. per doz....1.00@6 4.00} \\
\hline " Bride, Brideamaid & .. 400010.00 \\
\hline Liberty. & 8.00015 .00 \\
\hline Meteor, Golden & \(8.00 @ 12.00\) \\
\hline Carastions. & 1.50 (1) 500 \\
\hline Ll'y of the valley & 3.00@ 400 \\
\hline Asparagus. & 5000 \\
\hline Smilax. & 10.00012.F0 \\
\hline Adiratum. & 1.00@ 1.50 \\
\hline \multicolumn{2}{|l|}{Calls} \\
\hline \multicolumn{2}{|l|}{Asparaguallumosus and Sprengeri In buncbes........25c per bunch} \\
\hline Harriail & 15.00 \\
\hline Homans, narciss & 300 \\
\hline Violets. & . 75 (3) 1.00 \\
\hline \multicolumn{2}{|l|}{St. Louls, Feb.} \\
\hline Roses, Beauty, long stem.... & \(4.00 \times \mathrm{m} 6.00\) \\
\hline " \({ }^{\text {a }}\) medium stem & 2.00173 .00 \\
\hline ghort stem. & .500. 1.50 \\
\hline " Bride, Bridermeid & - 5.00 m 10.00 \\
\hline " Liberty.. & . 5.000610 .00 \\
\hline " Kıiserin & . 5.000 cos 10.00 \\
\hline Uurattions. & . 1.50 ( 400 \\
\hline Smilax... & 15.00 \\
\hline Asparagus Sp & 1.50 m 300 \\
\hline Plumosus & 25.00 gr 0.00 \\
\hline \multicolumn{2}{|l|}{Ferns, fancy .......... per 1000, 200} \\
\hline Adiantum..................... & ...... 1.006. 1.25 \\
\hline Violets, Callio & . 40 (18 \({ }^{\text {che }}\) \\
\hline Double & \\
\hline Lily of the valley & 3,00613 4.00 \\
\hline Rumans & 2.00 re 300 \\
\hline Cullas & \(12.50<015.00\) \\
\hline Paper White narcissus. & \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Comereland, Fel. 34,}} \\
\hline & \\
\hline Brlde, Bridermaid & .. 4.00fri. 10.00 \\
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\hline Carnations. & 200 (tr 8.00 \\
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\hline Common forus........ & \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{}} \\
\hline & \\
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\end{tabular}

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Per 100
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BRIDE and BRIDESMAID, 2: 4 -inch pots, 84.00 per \(100 ; 835.00\) per 1000
W. H. ELLIOTT, Brighton, Mass.

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\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Boston, Feb. 22.} \\
\hline Roses, Beauty, beit & \(0.00 @ 60.00\) \\
\hline " medium & 30.c0@45.00 \\
\hline " " culls & 6.00@ 800 \\
\hline " Bride, Bridesmaid.......... & 400@6.00 \\
\hline " Extra...................... & 8.00 @ 12.00 \\
\hline " Liberty. & 1.00@8.10 \\
\hline Carnations... & 15002.00 \\
\hline " Fracy. & 2.00 (3) 3.00 \\
\hline Lily of the valley. & 2.00 (at) 3.00 \\
\hline Smilax........ & \(8.00 @ 12.00\) \\
\hline Adiantum & 1.00 \\
\hline Asparagus...... .... ......... .... . . . 3 & 35.00@50.00 \\
\hline Violets. & .35@ . 50 \\
\hline \multicolumn{2}{|l|}{Philadelphia, Feb. 22.} \\
\hline Roses, Tea. & \(8.0000^{9.00}\) \\
\hline " " extra...................... 1 & 12.00@15.00 \\
\hline " Liberty & \(8.00 \bigcirc 35.00\) \\
\hline " Queen of Edgely, extra.. & \(4000 @ 60.00\) \\
\hline " \({ }^{\text {b }}\) is flrsts.. & 15.00@25.00 \\
\hline " Beauty, extra................ 4 & 40.00@60.00 \\
\hline " firsts. & 15.00@25.00 \\
\hline Carnations. & 1.50066 .00 \\
\hline Lily of the velley & \(2.00 \bigcirc 5.00\) \\
\hline Asparagus. & 25.00250 .00 \\
\hline Smilsx. . . . . . . . . . . . . . . . . . . . . . . . 1 & 12.00©15.00 \\
\hline Violets, sin & .250.50 \\
\hline " dou & . 35 (a). 60 \\
\hline Adis A tum & .7503 1.50 \\
\hline Gardeniss . . . . . . . . . . . . . . . . . . . . . & .16@ . 20 \\
\hline Mignonette. . . . . . . . . . . . . . . . . . . . . & \(3.00 @ 8.00\) \\
\hline \multicolumn{2}{|l|}{Buffalo, Feb. 22.} \\
\hline Roses, Beauty...................... & \(10.00 @ 50.00\) \\
\hline * Bride, Bridesmaid, Meteor.. & \(2.00 @ 12.00\) \\
\hline Carnstions. & 2.00@4.00 \\
\hline Harrisii. & 15.00 \\
\hline Lily of the valley. & 3.00@ 5.00 \\
\hline Asparagus, strings & 40.00®50.00 \\
\hline Smilax. & 15.00 \\
\hline Adiantum & .75@1.50 \\
\hline Lilium Longifforum & 5.00 \\
\hline Violets. . & .50@1.25 \\
\hline
\end{tabular}

Pittsburg Florists' Exchange, WHOLESALE FLORISTS and Florists' Supplies.
228 Diamond Sti, PITTSBURG, PA.
Send for weekly price list aod prices on large orders..

\section*{J. B. MURDOCH \& CO, WHOLESALE FLORISTS, FLORISTS' SUPPLIES.}

545 Liberty Ave, PITTSBURG, PA. DICE BROTHERS, 128 N. 6lh Sl., minneapolis, mins. Wholesale Cut Flowers and Supplies. Wild Sillilax \(\left\lvert\, \begin{gathered}\text { Flowers Billed at } \\ \text { Market Prices. }\end{gathered}\right.\) Shippers of choice Cut Flowers and Gresns of all kinds. Try us.
(Eilue abjolute 9Rothmentigftit!
Giermit \(\$ 1.00\) für mein \(\mathfrak{a b o n n e m e n t . ~}\)
 Den "Mmerican §lorift" zu bezaglen, weil Diejer eine abfolute Rothbendigteit für jebert \(\mathfrak{B l u m e n z u ̈ d t e r ~ i f t . ~}\) ©arl Roegner, פlabama.
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WM. J. MUTH, Manager.

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PHILADELPHIA CUT FLOWER CO.
} Wholesale Commission Florists CHOICE BEAUTIES, MAIDS AND BRIDE ROSES, FANCY CARNATIONS, TULIPS, DAFFODILS and all other seasonable flowers.
1516-1518 Sansom Street,

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Fancy and Dagger Ferns. \(A\) all Cut Flowera in Season. \(38-40\) Mlami Ave. DETROIT, MICH.

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the reliable Commission House, Jos.S.Fenrich 48 W. 30th St, NEW YORK. Tolophono 325 Madison Sq. \\ YOUNG: NUGENT
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CATTLEYAS, GAROENIAS, ROSES, CARNATIONS and all seasonable novel. ties. With our long experience in shipping, and competent assistants in our packing department, we are in a position to guarantee out-ol-town

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Conservatory connected from which I can shlp ferns and decorative plants promptly.
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Coogan Bldg., 6!h Ave. \& W. 26lh Sl., New York. Open for Cut Flower Sales at 6 o'clock Every Moraing.
DESIRABLE WALL SPACE TO RENT FOR ADVERTISING.
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Orders for flowers in any form carefully filled and delivered by special messenger on board any steamer on day of departure from New York.
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241 Massachusetts Ave., INDIANAPOLIS, IND. Please mention the American Florist when writing. ST. LOUIS.
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The Park Floral Co. J. A. valentine, DENVER, COLO. MILWAUKEE.

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Will take proper care of your ordera in WISCONSIN.

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1857 Buckingham Place, CHICA8O.
Growers add Imparters. The oldest and leading honse in Central and Weatern United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

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Cor. MIAMI and GRATIOT AVES. DETROIT, MICH.

Artistic Designs. \(\mathscr{N}_{\infty}^{*} \mathscr{N}^{*}\) High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiada and Canada.
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\section*{P.J. HAUSWIRTH} Auditorium Annex, CHICAGO.
Mail, telegraph or telephone orders filled promptly in best style.

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THE LEADING FLORISTS OF THE N. W.
Ordera will be well cared for anywhere in Mionesota and the Dakotas.
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Corner Wabash Ave. and Monroe St. CHICACO.
Orders for Wedding Decorstions, Receptions, Funeral Designs and Cut Flowers and Plants In every shape executed with care and despatch. Leading Chicago Retailer.

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36 W. Forsyth Street,
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CHAS. CHADWICK,
COR. FULTON \& LAGRAVE,
Grand Rapids, Mich. WHOLESALE and RETAIL FLORIST.

High-Grade Cut Blooms.
Carnations, Roses, 'Mums, Violets, Etc.
Choice American Beauties a Specialty.
Artistic Designs on Short Notice.
Good Shipping Facilities to all Michigan Points.
-A TRIAL ORDER SOLICITED.-

\section*{JOHN WOLF}

Wholesale and Retail Florist,
SAVANNAH, GA.
Paper White Narcissus and Roman Hyacinths.
\$2.00 per hundred, in any quantity.
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Cul Flowers, Floral Designs, Decorations.
Telephone 1087. All mail, telegraph or telephone orders promptly and artistically flled.

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EXCLUSIYELY WHOLESALE.
REQUESTS fom the trade for designs or cut R Howers to be delivered at short notice in, or near Mobile or New Orieans, when made through ua, will be executed With fresh stock by our retailers (Miss Maria Minge, Mobile; Mr, U. J.
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Always do business Week days and every day Sundays and holidays All over the country At home and abroad

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Fancy White Lilac perbozen SPECIALPRICE ON LARGE LOTS.
}

Fancy Lily of the Valley, \(\$ 3.00\) and \(\$ 4.00\) per 100.
Tulips, \(\$ 3.00\) per 100. Hudson River Violets, 75 c to \(\$ 1\).
Fancy Mignonette, \(\$ 6.00\) to \(\$ 10.00\) per 100 .
Daffodils and Jonquils, \(\$ 3.00\) and \(\$ 4.00\) per 100.
Harrisii and Callas, \(\$ 12.50\) per 100.
Carnations \(\begin{gathered}\text { A fine assortment of extra well grown } \\ \text { stock and many fancy varieties. }\end{gathered}\) ROSES \({ }_{\substack{\text { Extra fine, especially in } \\ \text { Bride and } \\ \text { Bridesmaid }}}^{\substack{\text {. }}}\)

\section*{A FULL LINE OF CUT FLOWERS}

Give us a chance to figure with you on thousand lots of Roses, Carnations or large orders of any kind.

\section*{A. L. RANDALL CO. cismonol}


\section*{DREER'S SPECIAL \\ OFFER \\ OF FORCING PLANTS FOR EASTER.}

\section*{AZALEA MADAME VAN DER CRUYSSEN.}


As we are not bandling Azaleas for Easter this season we offer it
ne lot of this most valuable varlety in one bushy, well budded plants to close out quickly. to Per Doz. 100 to 12-inch crowns.. \(\$ 4.50\) \$35 00 - 18 to 20 -inctu crowns........... \(\mathbb{\$ 2} .00\) 12 to 14 -incb crowns.. \(600 \quad 45.00 \quad 90\) to 22 -ingh crowns........... 3.00 Outside of the above we have nothing left in Azaleas excepta limited lot of mixed varieties in 10 to 12 -incb crowns at \(\$ 4.50\) per dozen; \(\$ 35.00\) per 100 .

Note-The above prices are practically the same as tbose at which we book amport orders, they are made law to move the plants at once, the stock is of good qualaty, but is limited: speak quickly if you want them

\section*{AZALEA MOLLIS.}

An unusually fine lot of well-hudded plants 15 to 18 inches higb. A plant that 18 rapidly gaining favor for eariy and late forcing; it is proftcost for heat and labor. \(\$ 4.50\) per dozen: \(\$ 3500\) per 100

\section*{DEUTZIAS for Forcing.}

Strong, sbapely, 2-vear-old field-grown plants, suitable for 6-inch pots Gracilis Rosea. \(\$ 100\) per dazen \(\$ 800\) per 100

\section*{FORCING RHODODENDRONS}

For a late Eabter will ill a vacancy where Azaleas cannot be retarded: they are becoming more popular every apason; you will find it proftable to try these. We are carrying an estralarge stock of 8 ushy, wezen: 8000 per 100.20 to 24 inches high, fine specimens, \(\$ 11.00\) per dozed; \(\mathbb{F} 80.00\) per 100 .

THE BABY RAMBLER ROSE.
Mme. Norbert Levavasseur.
The most valuable bedding rose yet introduced. A plant which will be in strong demand for a long time. We offer good plants, suitable to use for stock plants, one-year field-grown, suitable for 4 -inch pots \$5.00 per dozen; \(\$ 3500\) per 100.

DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds
Plants, ISulbs, etc., is mailed to all Florists. If you do ant bave it at band please advise us and a oopy will be gent at once.

HENRY A. DREER, (INCORPORATED)

714 Chestnut St., Philadelphia. KENNICOTT BROS. COMPANY 40-42-44 Randolph St., CHICAGO.
Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

\section*{The Seed Trade.}

AMERICAN SEED TRADE ASSOCIAIION.
L. Mas. St. Pitul, Minn., First Vice-Pres. C. E. Kendpl, Cluveland, O ., Secy and Treas. andria Bay, N. Y., June \(20-20,1905\).

Bay City, Mith.-The Miehigan Seel Company has been iucorporated with capital stoek of \(\$ 13,000\).

Bellingham, Wasi.-W. J. Goode has purchased a tract of land near Seattle, and expects to start a bulb farm.

Visited New York.-Chas. P. Braslan, Santa Clara, Cal.; W. Atlee Burpee, Philadelphia, Pa.; Wm. Henry Manle, Philadelphia, Pa

Des Moines, La.-George Taylor, formerly of the Hawkeye Seel Company, and Charles E. Rogers have opened a seed store on East Locust street, under the name of the Capital Seed Company

Baltimore, Mb.-J. Bolgiano \& Son, seedsmen, opened their new store, on the northeast corner of Pratt and Light streets this week. The firm is one of the oldest in the city, having been established in 1 s 18 by the great-grandfather of the present members, Messrs. Roland and Charles J. Bolgiano.

\section*{San Francisco.}

Charles C. Navlet, of the Charles Navlet Company, San Jose, was a caller during the week and says mail trade is opening very auspiciously
Charles P. Braslan, of the Braslan Seed Company, has returned from his tastern trip.

Free Seeds and Moral Uplift.
Tbe morals of this country are saved, and it was Selrator Pettus of Alabama who saved them. The gratuitous petunia will still bloom in the window box of the loyal and importupate constituent. It will still summon his soul to the bigher life. And the turnip, the beautiful turnip. the free turnip springing up from the free seed furnished by the agricultural department through the good offices af the energetic congressman, will continue to fill the mind of
man with entobling thoughts. Senator Pettus his opportunity by injecting Senator Pettus his opportunity by injecting an attack on free seeds into the dchate on the agricultural appropriation hill. Perhaps even dealled from tampering with our free institutions had there not been a kind of conversatioual gap that had to be filled. Just bere the reader sbould try to tarry for a moment to enjoy the nlceties of senatorial existence. Senator Ladge was prestood that we were to go on witb the appropriation bill until the senator from Indiana got back. He has gone somewhere, it seems and is out of his mace. The senator from Missourl has been waiting to speak all day, but he stepped out of the chamber just a few minutes ago. We had hetter, rerhaps, wait and go on with the appropriation hill
till the scoator from Missouri gets hack." No arlvantiff, the reader will ohserve, is of the chamber, or, for that matter, because

3,700 ACRES OF GARDEN SEEDS IN CULTIVATION.

\section*{Braslan Seed Growers Co.}

\section*{Wholesale Seed Crowers.}

SAN JOSE, CALIFORNIA.
he goes to Europe. The senate will wait for him. On the particular occasion in question the senate was waiting for the absent senators. In order to smooth over he interval somehody had to make con rersation, and Sepator Lodge gallantly started in
He was unfortunate, however, in his cholce of a subject. The agricultural department, he observed, spent about \(\$ 200,000\) of its appropriation in huying ordinary seeds row ordinary seed frus, and then in distributing these ordinary seeds among the favorite constituents of the members of the two houses of congress. It was be continued, that the original purpose of department should assist in spreading a knowledge of unusual and valuahle seeds. When the government departed from this purpose and spent a large sum of money purpose and spent a large sum of money could be purchased anywhere in private stores or shops, there was not only a waste of public money hut there was a diffusion of the paternalistic idea among the people. All through this speech of Senator Lodge Senator Pettus was evidently feeling that it would have been better to wait for the ahsent senators in silence. As soon, therefore, as Senator Lodge bad concluded be burst out as follows
"Mr. President. what is the purpose of distrihuting valuable seeds? Do you all forget your country raising? Do you suppose a farmer ought not to have flowers in his yard? You forget yollr youth if you do not forget your raising. Do you not rememher the box that stood on the cahin front porch? Do you not rememher the violets that grew in that hox? Senators, do not forget what you once knew. Do not forget when you

The abashed senate went into executive The abashed senate went session, with the Indiana and Missouri sen ators still wandering afar. The free seeds estimates have to be cut down Cihicago Tribune.

\section*{Catalogues Received.}

Moore \& Simon, Philadelphia, Pa., seeds; M. Crawford Company, Cuyahoga Falls, O., strawberry plants; The Dingee \& Conard Company, West Grove, Pa., roses, plants and bulbs; Barbier \& Company, Orleans, France, nursery stock; Peter Lambert, Trier, Germany, roses; Van Heiningen Brothers \& Company, Boskoop, Holland, nursery stock; Frantz De Laet, Contich, Belgium, eacti; The William H. Moon Company. Morrisville, Pa., nursery stock; Hurst \& Sons, London, Eng., Watsonia Arderni; Cedar Hill Nursery \& Orchard Company, Winehester, Tenn., nursery stock; The Austin Nursery, Austin, Tex., nursery stock; Eastern Nurseries, Janaica Plain, Mass., uursery stock; C. S. Harrison, York, Neb.; nursery stock; Schlegel \& Fottler, Boston, Mass., seeds, bulbs and plants; Arendt Bulb Company, Tanaroa, Ill., daffodils and jonquils; Anahein Evergreen Nurseries, Anaheim. Cal., nursery stock; Alexander Seed Company, Augusta, Ga., seeds and bulbs; W. .. Palmer \& Son, Lancaster, N. Y., Red Lawson; F. W. Dixon, Holton, Kan., small fruit plants; L. A. Watkins Merchandise Company, Denver, Colo., seeds; The Tucker Plant Breeding Farm, Blodgett, Mo., seed corn; Conrad Appel, Darmstadt, Germany, tree and grass seeds; Wood, Stubbs \& Company, Louisville, Ky., lawn grass seed.

\section*{RURDFE'S SEEDS GROW AND WIN MORE PRIZES}
than the products of any other hrand! Besides gaveral Gold Medals. they won a Urand Prize for vegetables at the St. Louis Exposition. If you intend to try Burpee's Seeds. we will mail free our Comp'ete Catalogue of 178 pages, with heautiful colored plates and illustrations from nhotograhhs taken at our famous Fordiook Farms, the largest Trial Grounds in America. If you garden for profit or a florist you should also have Burpee's "Blue List" or Wholesale Price List for Market Gardeners and Florists. WRITE TO-DAY.
W. ATLEE BURPEE \& CO., \(\overline{\text { SEED Growers, PHILADELPHIA. }}\)

Please mention the A mevican Flovist when writing.

\title{
Bermuda 0nion Seed
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Orders for the above should be sent as early as possible to
PETER S. REID, Port Orotava, Teneriffe.
teigeraphic admes.ss: nead fuerto Cruz.
Codes used, Western Union. A. B. C. 4th Edition.
Who is much the oldest shipper and guarantees all his seed to be of the season's crop. The supply being limited and the demand rapidly increasing orders will be executed in the order in which they arrive and those coming late have little chance of being filled. All orders must be accompanied by Bankers' reference or remittance.

\section*{Van Zanten Brothers, \\ royal netherlands bulb nurseries and export trade HILLEGOM, HOLLAND.}

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of fRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quatations from our traveler

\author{
MR. G. HYLKEMA,
}

Care of Messrs. Mallus \& Ware, 136 Waler St., New York.
Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

\section*{Northern Star Potato.}

Having grown several acres of this wonderful Potato last season, when it sold at \(\mathbf{\$ 1 0 0 0 . 0 0}\) a ton, we can supply the true stock, in especially prepared, iron bound, well ventilated cases of 100 lbs . net, F. O. B. Southampton, \(\$ 3.00\) per case.
Brinkworth \& Sons, Ltd. Potalo Growers and Experts,
SOUTHAMPTON, ENG.

\section*{QUALITY wo QUANTITY}

\section*{THE ASTER KATE LOCK}

Boen Crown 48 Inches High. Finest aster in existence. Blooms 5 to 6 inches in diameter; fargest extibitions in Canada and taking pyerythiog before it. Has never boen beat Colors: White, Daybreak and mixed. \(\$ 300\) peri 000 seeds. Noagents. Not less than 1000 seed sold. Do Dot send checks.
Orlginalor, J. H. LOEK, 41 Manchester Ave.

\section*{30 BULBS}

Tuberous Begonias
For \(\$ 1.00\) Poslpaid. -
See last week's: issue for prices hy the 100 .
HUBERT \& CO.,
N.Le PAGE, MT. VERNON, N. Y.

Alfred J. Brown Seed Cor
garden Peas and beans
For the Wholesale Trade.
Grand Rapids,
- Mich.

SEED GROWERS
Fioid, Swoet and Pop Corn, Cucumber, Meion and Squash Seed.
Write us before placing contraats. We have superior stock seed and can furnish you good seed at reasonable prices. Address
A. A. BERRY SEED COMPANY, CLARINDA, IOWA.

\section*{Please mention the A merican Ftortst when wonting. \\ SPARAGUS PLUMOSUS NANUS SEED.}

Present season crop. 250,000 at 22.25 pet solicited. Delivery in Fehrurry.
Rees de Compere, LONG BEACH, CAL., R. F. D. No. 1. Pleasp mention the A merican Florist when writing.

\section*{Telegraph Code}

Am. Seed Trade Association \(\$ 2.00\)
in either stiff or flexible cover. Address orders to AMERICAN FLORIST CO., CHICACO.

Findlat, O.-The Swan Fioral Company has leased the Fenn property, the first door south of the greenhouses, and will use it as a show room.

\title{
BERMUDA Harrisii Bulbs
} THE "SEIIPER IDEN" BRAND.

I am now booking orders for July and August delivery. Prices on Application. \(* * *\)

\section*{Chas. A. V. FRITH, HAMILTON, BERMUDA.}

> CARL BECK \& CO. SEED MERCHANTS AND SEED GROWERS. OUEDLINBURG, (Germany.) Mangel Wurzel and Sugar Beet Seeds a specialty.

> We offer an immense stock of all seeds at moderate prices, to the tradenaly. General Catalogues free on application. English Correspondence. SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND. —Tologram Addross: SAMENEXPORT, Quodiinburg. - Please mention the A merican Florist wher wuriting.

\section*{LEONARD}

Writo for Prioos. WE \(\triangle\) PE HEADQUARTERS onionsets.

SEED
Flower Soeds and
Bulhs

WHOLESALE SEED GROWERS

Seeds for present requirements ready to ship. Contract orders for delivery after harvest 1905 are being booked now. Beans, Poase and Gardon Soods. Write for Prices. CHICAGO.

Lawn Grass Seed in bulk and packages



Spacal Prices GOLF
MIXTURES.
THE ALBERT DICKINSON CO. Minneapolis.
Aug. Rhotert, Importer, 26 Barclay St., New York. CHOICEST EARLY and LATE FORCING LILY of the VALLEY PIPS.

BIDED \(\left\{\begin{array}{l}\text { POLARIS } \\ \text { HANSA }\end{array}\right\}\) Late Forcing aod Cold Storage Hamburg Pips
GROWN BY MR. E. NEUBERT, WANDSBECK, GERMANY.

\section*{PLACE YOUR NAME}
and your peoialtien before the porohaning floziats of the ontire coontry
by advertiaing in
Eend Advt.INow.
THE AMERICAN FLORIST.

\section*{The NurseryTrade}

AMERICAN ASSOCIATION OF NURSERYMEN.
E. W. Kirkpatrick, McKinney, Tex., Pres.; C. L. Watrous, Des Moines, Ia, Vice-Pres. Thirtieth annual convention, West Baden Springs, Ind., June, 1905

Cartifage, Mo.-John C. Teas last week made a large shipment of nursery stock, including native trees and sbrubs, to England.
Sacramento, Cal.-F. A. Ebel has been appointed superintendent of parks and public squares. He is a nursery man of long experience.
Bamberg, S. C.-H. J. and Otis Brabhan, proprietors of the Bamberg nurseries, are closing out their stock preparatory to going out of business.
Houston, Texas.-A large tract of 21,000 aeres in Robertson county was recently sold to a syndicate from Grand Rapids, Mich. Part of the land will be prepared for an extensive pecan nursery and orchard.
Riverside, Cal.-The Chase Nursery Company has put into the hands of the county superintendent of schools a number of the latest and choicest varieties of roses, to be planted in the school yards of the county.
Kingston, R. I.-Bulletin No. 100, issucd by the Agricultural Experiment Station is attracting much attention at this time. It is thoroughly devoted to insect destruction and contains many good formulas and tells "when to spray;' \({ }^{\text {it is edited by Professor Stene. }}\)
New Brunswick, N. J.-Miss Jean A. Voorhees, a recent graduate of Vassar college, and a daughter of Dr. Edward B. Voorbees, director of the experiment station, has become the horticulturist of the horticultural department of the New Jersey experiment station, in this city.
Seattle, Wasif.-J. W. Thompson, superintendent of city parks, at the meeting of the Seattle Florists' Association February 7, read a paper in which he advocated the appointment of a city trec warden and the passage of laws regulating the planting of trees on all thoroughfares in the city outside of the business district.

\section*{Barring Insect Pests from Mails.}

The house committee of congress on agriculture has anthorized a favorable report on the Lovering bill to prohibit interstate transportation of insect pests and the use of the United States mails for that purpose. The pests mentiones in the bill are the gypsy moth, browntail moth, leopard moth, plum curculio, hopplant louse. A \(\$ 5\), , Mo the fand imprisonment at hard latwr for five years is matle the penalty for violating the prohithitions of the bill.

Tree Planting in Cleveland.
Thlowe is io be no more promiscuons phating of sharle trees in this city. The burat of public surviere has taken buht of thw what tree businuss and lais catathishou a forestry department with Fornster Mr. Horvalis as chict of the
department. He will have an assistant, an engineer and half a dozen wardens. The city will be divided into districts with a warden to superintend all the tree planting in each district. It is reckoned that by careful selection of trees and planting, Cleveland in a few years will trnly be a forest city. The city fathers have set aside \(\$ 17,000\) for a starter. The idea is a commendable one and is receiving the hearty support of the citizens.

Есно.
Biota Japonica Filiformis.
As the name implies and the illustration shows, this conifer is peculiar for its long thread like foliage, and although the plant assumes a conical formal shape, the fine drooping filament like foliage gives it a very graceful and


Biota Japonica Filiformis.
(At P. J. Iarckmana Company's, Aumustia, Gat)
pleasing effect. It attains a height of eight to ten feet. It is well suited for such situations as are offered in cemetery planting, is also very desirable for planting in tubs for formal work, and is rapidly coming into favor as a dwarfer conifer of the first class.

\section*{Ames, Ia.}

At a recent mecting of the board of trustees of the lowa State College, Prof. s. A. Beach, horticulturist of the New York Experiment Station, was elected professor of horticulture and horticulturist to the lowa Experiment Station. Prof. S. A. Beach is an alumnus of the Jowa institution and has been connected with the New York station for the jast fourtecn years. He is at present engaget in the problication of an
important work on the pomology of New York. This is to be an exhaustive work, and the state legislature has appropriated \(\$ 20,000\) for its publication.
The Iowa position has been vacant for the past year, owing to the resignation of Prof. H. C. Price, who left to become dean of agriculture at Ohio University. At the same meeting of the board, A. T. Erwin, an assistant in the department, who has been acting in charge the past year, was made associate professor of horticulture.

\section*{Would Not Lose a Number.}

American Florist Co.:-Enclosed you will find \(\$ 1\) for another year's subscription to the American Flobist. We would not like to lose a number as we can always find pointers in your paper which we highly appreclate.

Frank Scholl.

\section*{400,000 ROSES.}

We have a very fine lot of roses in 2 -inch pots. Also small Shrubs and Herbaceous Planls. Send for lists.

\section*{The Elizabeth Nursery Co.} ELIZABETH, N. J.

\section*{Vinca Major Variegata. \\ We bave several hundred of this excellent} vine, last year's field clumps, full of ends, from 3 inch pots, \(\$ 5.00\) per 100 .
Our 1905 Wholesale Catalogue of Chrysanthemums
and other Terder and Hardy Plants bas beeo mailed. It not received drop us a
HATHAN SMITH \& SOH, Adrian, Mich.
 plants we make the following offer of olants for plants we make the following offer of olants for \$50.00. This offer expires March 15, \(19 i 5\). Planta boxed and delivered at point of sbipment. Arrival in good coadition guaraoteed.
Number.
Cereus qiganteus, 8 ft . high.
Cereus giganteus, 4 ft . high.
Cereus giganteus, 2 ft bigh.
Echioocactus Leicondel. 8 to 12 in
Echinocactus Leicondel. 8 to 12 in.
Echinocactus cylindraceus, 8 to 12 in .
Echinocactus cylindraceus, 3 it. blgh.
Ecbinocactus cylindraceus, 3 it , bl
Echinocactus Emoryi. 8 to 12 in.
6 clumps Echinocereus Engelmanail. spined and hardy.
clumps Echinocereus phocaiceus, hardy, ( 100 single plants).
6 plants Echinocereus Fendleri, hardy, beautiful bloom.
12 clumps Manillaria radiosa Arizooica, bardy, ( 100 siogle olarats).
25 clumps Madillaria Grabamil.
1 clump Echinocactus polycephalus, variation, from Grand cavyon, scarce.
12 Rainbow cactus. 1 Cereus Greggi.
6 Echinocactus erectusplous.
10 Kinds of Opuntia-5 kinds from Central Arizona: 5 kinds from Northera Ari-

All plants marked bardy will stand an out-
of-door winter climate
GEOREE N. J. HOCHDEAFFER, Flagstafi, Arlz.
Collectors and Exporters of Cacti, Agaves, Orchids, seeds of Arizona and Mexican Trees and Flowers. Soecialty, seeds of Coulfers.

\section*{RHODODENDRON MAXIMUM}

And other Broad-Leaved EVERGREENS by the car load or 10 smaller quantities.

\section*{TREES}

Frult Trees, Amall Frolta, Ornamental Trees, Evergreens and Nbriba, shade'Trees, Ilordy
Hoses, IIardy Plaots, Cllmbers, ete. The most complete collections in this country GoldMedal-Paris-Pan-Americaost. Louis. 102 prizes New York Etate Fair, 1904.
Illustrated Descriptive Catalogue
FREE on Request

\section*{ELLWANGER \& BARRY \\ Mt. Itope Nurseries, Rochester, N. Y}

\author{
Drawer 104 V Establlthed 65 Years.
}

\section*{SilverRibbon Grass}

The new hardy pereooial. The finest oroamental graas to be had-perfectly hardy can be used iodoors and out, grows rapidiy and doean field-grown roots, 15 c each by mail, postpaid. \(\$ 1.25\) per dozen; \(\$ 8.00\) per 100 by express, charges not prepaid. Can fill orders at any time. Terms cash with orders.

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\section*{W. van Kleef \& Sons,}

Wholesale Crowers of all kinds NURSERY STOCK.
BOSKOOP, HOLLAND,
Catalogue iree on demand. No Ageats. Please inspect our nurseries when in Europe. No ageats.

\section*{Beautiful Grounds.}

An Illustrated Macual containing suggestions on Lawo Making, Plsntiog and csre of Shrubs and Trees, with oames aod dascriptions of variotles hardy and of merit. Alsoinformstion rogsidIng Landscspe Plsns, Topographical Surveys, to-day. Free on application.
Peterson Nursery, 503 W. Pelerson Ave., Chicago.
Jacs Smits, Lto. Matronen,
(ERANCH AT EORKOOP.)
Wholesale Growers of turdy faccy oursery stock, pot-grown forcing planta. Lilacs a specialty, Berlin and Hamburg Valley-the beat quality. Catalogue iree on demand.
When in Europe please inspect our nuraeries. MAANDEF-EUs5UM, mear Amstordam, is our M. H. Depot.
August Haerens' Nurseries, SOMERCEM, CHENT, BELCIUM.
Furdish PALMS, araucarlas, bay TREES, FICUS s od other decorstive plants for 1905 , spring delivery. psoking. Trade list sent by the Amarioan agants
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New cstslogus now resdy. "Csn't buy trees right without it." Got lt of
T. V. MUNSON A SON, Denison, Tox.

The MUNSON GREENHOUSES. Cut flowers
and Beddiog Plants for retail trade.
WILL. B. MUNSON, Denison, Tex.

\section*{california privet cheap}

100,000 well grown plsats, 3 to 4 leet, selected, 84.00 per 100; \(\$ 5.00\) per 10c0. \(2 \%\) to \(3 \%\) feet, 7 or 30 ia., 5 or mora branaches, 82.00 per \(100 ; 813.00\) per 1000. 18 to 24 in., light, 2 yesrs, 3 or more branches, \(\$ 1.50\) per \(100, \$ 700\) per 1000 . All of the shove boxed, f. o. b. here. For car or largo lots write betors placiag your orders.

CHAS. HLACK, Hightstowa, N. J.

\section*{ORDER \\ NOW}

\section*{HaRDOYSHRIUS,RAMBBERS and hybrid roses EASTER FORCING}
deutzia graclis patach Doz, 100
Erown for 7 -icheh pots..... 8.1581 .1 .50812 .00 deutzialemoinel, pot-
Erowa tor 7 inch pots.....

RHODODENDRONS, for

For torciiam, iarre" "plauts,
\({ }_{15}{ }^{15}\) to 23 huds.............. \(2000^{20.000} 100\) hyprangeas, otaksa, Red

Braoched, Thos. Hogg Dorman, 53.00 CRiMso



\(1.50 \quad 11.00\)

\author{
VAUGHAN'S SEED STORE, Chicago. \\ \author{
Greenhouses and Nurseries, Western Springs, III.
}
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\section*{Special Evergreen Offer. \\ We are the largest growers of MAGNOLIA GRANDIFLORA in the South, having . upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer. \\ One year plants, 1 st grade, 6 to 8 inches, once transplanted, \(\$ 3.00\) per 100; \(\$ 25.00\) per 1000; \(\$ 115.00\) per 5,\(000 ; \$ 200.00\) per 10,000 . \\ ALSO THE FOLLOWING: \\ Per 100 Per 1000 \\ BUXUS ARBOREA, 2 years, 6 to 8 inches..................................... \(\$ 2.00\) \$18.00 \\ EUONYMUS JAPONICUS, 1 year, 4 to 6 inches.............................. 1.50 \\ EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches.......................... 3.00 \\ RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.................... 4.00 \\ RETINOSPORA P. AUREA, 9 to 12 inches, 2 years......................... 4.00 35.00 \\ BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches.................. 5.00 \\ BIOTA OHIENTALIS var. ROSEDALE, 6 to 8 inches....................... 3.00 \\ BIOTA ORIENTALIS, Rosedale, 1 ft., very fine............................... 10.00 \\ BIOTA ORIENTALIS, Rosedale, 18 inches, very fine....................... 15.00 \\ JOSEPH W. VESTAL \& SOH, \\ Little Rock, Rrk.}

\section*{Forcing Stock for Easter.}
azalea mollis full of buds, aice evea heads. force easily, it-15in. high, \(\$ 3000\) per 100; 15-18 10 . high. \$10.00 per 100. DEUTZIA GRACILIS. growa especislly for pot culture: very bushy; 12.1510 . high, for 6 -in. pots, \(\$ 8.00\) per \(100 ; 15-18\) in. bigh, for DEUTZIA LEMOINE! Simlar DEUTZIA LEMOINEI-Similar to Gracilis,
but stronger grower, \(15-18 \mathrm{in}\). high, for 6 -ia.

\section*{THE STORRS \& HARRISON CO." Painesville, 0 ,}

\section*{SurplusTreesedels.}

500 lbs. Catalpa Speciosa,
500 lbs. Black Locusi.
Also good lot of other Tree and Shrub Seeds and a large lot of Seedlings both Nursery grown and collected. Send for Trade List.

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irving college, Warren Co., tenn.
 THEMOON Compens For \(!\) Trees, Shrubs, Vines Your \(\{\) and Small Fruits. Descriptive Illustrated Catalogas Frea THE WM. H. MOON OO. Morrisville, Pa.
California Privet 12 and 3 years. Also Catwill be accepted oo lots of 5,000 to carlosds. RIVER VIEW NURSERIES,
J. H. O'HAGAN. LITTLE SILVER, N, J

\section*{Our Pastimes}

Announcements of coming contests or other events of interest to our bowling. shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this departmpnt to J. H. Pepper, 429 Sixth Ave., New phiat or to the American Florist Co., Chicago

At Chicago.
The Florists' Club bowlers have resumed operations on the alleys and a large delegation turned out at the Rensinger allers Tuesday evening, February 21. The following are the scorcs
\begin{tabular}{|c|c|c|c|c|}
\hline Player & 1st & 2 d & 3 d & h \\
\hline Victor krietling & 148 & 160 & 165 & 170 \\
\hline George Asmus & . 177 & 133 & 1 th & 4 \\
\hline P. J. Hauswirth & 164 & 183 & 190 & 0 \\
\hline L. II. Winterson & .114 & 142 & 135 & \\
\hline V. Bergman & . 144 & 150 & 222 & \\
\hline J. Lambros & . 134 & 148 & 198 & \\
\hline George Scott & . 121 & 168 & 157 & \\
\hline Aug. Palluft & . 123 & 141 & 129 & \\
\hline Pasteruich & . 130 & 155 & 110 & \\
\hline Chas. Balluff & . 137 & 233 & 150 & \\
\hline Klunder & . 142 & 127 & 177 & \\
\hline J. P. Degnan & 176 & 143 & 149 & \\
\hline C. Benesch & 105 & 131 & & \\
\hline Venson & .124 & 1410 & 145 & \\
\hline Cochran & 125 & 192 & & \\
\hline
\end{tabular}

\section*{At Boston.}

The result of the last match in the Secd Trade bowling league leaves the Farquhar and Breck teams tied for first place and the Rawson and Schlegel \(\mathbb{\&}\) Fottler teams tied for third. A roll-off series will be played next week. The scores of the last games follow:


At Painesville, 0 .
Two opposing teams from the Storrs \& JIarrison Company greenhouses closed a scries of four bowling matches this week. Rowling is a new spart to the players here, and the teams werc quite evenly matched. The wholesalers won the last mateh by a margin of 11 pins. The last score follows:


\section*{At Washington.}

It is had enough for the florists to lea losing all the gamos, but as a last straw there is a dark rumor jan circulation that two well-known members of
entitled, "What We Don't Know about Bowling." This may account for their absence from recent games. If this sort of thing keeps up TVashington will be an easy mark at the convention tournament. The same sad tale follows:
\begin{tabular}{|c|c|c|c|}
\hline Player. & market house. 1st & 2 d & 3 \\
\hline Bishop & 212 & 167 & 152 \\
\hline Miller & 160 & 201 & 210 \\
\hline Thomas & 201 & 163 & 191 \\
\hline Hofman & 150 & 166 & 147 \\
\hline Bailey & 159 & 153 & 219 \\
\hline Totals & 012 & 850 & 919 \\
\hline & FLORISTS. & & \\
\hline Cooke & 155 & 180 & 231 \\
\hline Simmons & 195 & 168 & 150 \\
\hline Lewis & 149 & 168 & 167 \\
\hline Mchennon & 150 & 159 & 164 \\
\hline Ernest & 166 & 156 & 118 \\
\hline
\end{tabular}

> Totals
\$55 \(\$ 31 \quad \$ 30\)

\section*{Syracuse, N. Y.}
market notes.
Trade has shown considerable improvement during the month of February, there having been many funerals and social events, and the general business has picked up so that the situation is now encouraging. Prices remain the same, but will probably drop as soon as the weather brightens up.

Henry Morris and P. R. Quinlan \& Company have rccently been the vic. tims of a young girl who has a weakness for flowers but who has no moncy to pay for them. Her plan was to have them charged to some well-known person of the city. When the collectors went around with the bills there was trouble. The result was that the girl was discovered and landed in jail.

Henry Morris has completed the improvements in his store. The most useful addition is a tile floor. He reports that February will be a great improvement on January.

Walter Meneilly, of Wilson street makes a specialty of growing violets. There has been a steady sale for them all winter.

Wheadon \& Hencle are having a good sale of daffodils which bring \(\$ 1\) per dozen. All spring flowers are selling well.

Bard \& Davis continue to cut excellent roses and carnations.
florists visit utica.
Several of the Syracuse florists went
to Utica Wednesday to attend the third carnation meeting and annual banquet of the Utica Florists' Club. P. R. Quinlan \& Company had a large display, the firm being represented by P. R. Quinlan, D. A. Robertson and Robert Dunn. The display included in carnations, Queen, Vcsper, Lady Bountiful, the Marquis and the Flamingo. In roses they had Chatenav, White Ivory, Bridesmaid, Wellesley and Golden Gate.

Besides the members of the Utica Florists' Club there were present from out of town the following: Seward Hakes, Theodore Schesh, Jacob Friis, Ilian; Messrs. Barclay, Herkimer; J. O. Graham, Little Falls; Michael Powers, Canajoharie; John Humphrey, Mr. and Mrs. E. H. Byam, Rome, and the Syracase contingent. The exhibition was held in one of the upper rooms of the Martin hotel. There were fourteen exhibitors, as follows: P. R. Quinlan \& Company, Syracuse; C. F. Seitzer, Frank MeGowan, William Matthews, J. J. Williams, Robert Boyce, and Donald MacLean, of Utica; Dr. W. A. Rowlands, of Whitesboro; J. O. Graham, of Little Falls: John Murchie, of Sharon, Pa.; H. Weber \& Sons, of Oakland, Md; Davis Brothers, of Bloomsburg, Pa.; W. J. Palmer \& Son, of Buffalo; F. A. Blake, of Rochdale, Mass., and Mrs. E. A. Nelson, of Indianapolis.

The florists and their wives held a reception until 11 o'clock, when the banquet commenced. Prof. George C. Hodges was toastmaster. The first toast was, "Floriculture Past and Present,', which was responded to by William Matthews. Frank J. Baker, president of the Florists' Club, responded to the toast, "Posies and Politics." Seward Hakes, of Mion, responded to the toast, "The Ladies." D. A. Robertson, of Syracuse, responded to the toast, "Our Guests," and extended a cordial invitaton to all Utica florists to visit Syracuse. The committee of arrangements consisted of William E. Hermant, Henry Martin, S. A. Pinkstone, Harvey Seitz, William Harmes, Frank McGowan, and James Toomey.
A. J. B.

\section*{Always Full of Information}

American Florist Co.:-The Florist Is a good trade paper, always full of information.
A. Frche.



\title{
The King of All Scarlet Carnations ROBERT CRAIG (Wrrd) \\ WIIl Not Be Diseeminated Til 1906. : : :
Flrst Dalivery Commonclng December \(1,1905\). \\ THE IDEAL CHRISTMAS CARNATION. \\ A Genuine Non-Bursting Scarlet Lawson. just the color of the holly berry. \\ Sond your ordors now, with privilege to cancel same at any time \\ prior to December 1. IY05, if oo inspertion variety does oot prove 2500 lats at \(\$ 95\) per 1004 : 5,000 lols at \(\$ 90\) per 1000 : 10.000 lots or 2.500 lots at \(\$ 95\) per \(1005 ; 5,000\) lols at \(\$ 90\) per 1000; 10,000 lots or
more at \(\$ 80\) per 1000 . \\ c. wriw ward, COTTAGE GARDENS CO. IMC., Queens, N. Y.
}

\section*{Has Been Awarded The Following Honors:}
preliminary certificate.
american Caroation society, 92 poiots. SPECIAL DIPLOMA.

American Institute of New York FIRST-CLASS CERTIFICATE OF MERIT. Massachusetts Horticultural Society FIRST-CLASS CERTIFICATE OF MERIT. Pennsylvania Horticultural Soclety FIRST-CLASS CERTIFICATE OF MERIT. New York Florists' Club, 93 points. CRAIC CUP for best undisseminated seedling C. HARTMAN KUHN SPECIAL PRIZE for best undisseminaled seeding. Philadelphis. FIRST PRIZE best 100 scarlet. FIRST PRIZE best 50 scarlel seedling.

\title{
Carnation Cuttings
}

\section*{Thoroughly Rooted.}

Per 100 Per 1000


Enchantress.
Mrs. Lawaon
-...-................... 300 25.00
Note-We don't quote ridiculously low prices We simply state that we ship you the best cuttings at the lesst possible prices.

\section*{Weiland \& Risch,}

Leading Western Wholesale Growers and Shippers of Cut Flowers.
59 Wabash Ave., Chicago.

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.
\(A\) warded first-class Certiticate of Merle by the American Carnation Society. Lawson Broaze Medal for 100 blooms and S. A. F. Bronze Medal for 50 blooms. We prediot that this variety will easily displace any other white.
We are booking orders now for delivery January \({ }^{1906 .}\) Price, 82.50 per dozen; 812.00 per \(100 ;\) 100.00 per 8000 . Write us for other new aad standard varieties.
H. WEEER \& SONS, Oakland, Md.

\section*{THE NEW ROSE}

\section*{Wellesley}

I
S a Welcome Addition to the list of FORCING ROSES. Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.


\section*{WABAN ROSE CONSERVATORIES, NATYCK, MLSS.}

JOHN N. MAY, - - \(\quad\) Summit, N. J.

\section*{Washington.}

BEST WEEK SINCE HOLIDAYS.
The business of the past week exceeded that of any previous one since Christmas. There was an excellent St. Valentine's day trade in cut flowers, carnations and violets being pretty well cleaned up. In addition to this, it was a record breaking week for dinners, receptions and other social events for which decorations were furnished. King Winter had the middle of the stage for several days, but the social gaiety went on regardless of his heavy tragedy. On Saturday the weather was compara tively mild and fair, and the transients came ont and helped, particularly in the markets, to a good finish. The result of this activity was an increased demand for roses, and several large orders for Bridesmaid went to New York. Whether the cause is with the plants, the growers or the ground-hog, I am unable to state, but rose growing, at present, is not a bowling success at several of the ranges in this vicinity. Several of the leading decorators are breaking up azaleas by wholesale for table decorations. This should be satisfactory all around. Mine host gets a pretty decoration, the growers and decorators use up the stock that has lain heavy on their bands, while the men of Ghent will now have a chance to do some business. In carnations, there is a good demand for Enchantress, Lawson, Prosperity and all scarlets. Mrs. M. A. Patten, variegated sells very well and is highly praised by those who handle it, for its keeping qualities. Lady Bountiful, Gov. Wol cott and Boston Market seem to be leading the whites. Red Sport, which is being disseminated by A. B. Davis \& Son, of Purcellville, Va., is popular with the leading retailers of this city and good things are expected of it. Great quantities of tulips and jonquils are being used in table decorations, but the market keeps well supplied with both. Sweet peas are in guod supply and qual ity, selling freely at 35 cents per dozen, retail.

\section*{NOTES}

Many beautiful floral tributes were observed at the funeral of Addison Butler Atkins, late Washington corre spondent of the BrookIyn Eagle. Pres illent and Mrs. Roosevelt sent a large wreath composed of roses and hyacinths The owners and staff of the Eagle, Senator and Mrs. Thos. H. Platt and the Cuban minister and his wife also sent handsome designs.
A. Gulle \& Brother had a great trade in carnations and violets on St. Valen tine's day. 'Their specialty was hearts in azaleas, the process of making a heart from an azalca being a trade secret among the sly dogs of their F street store
J. H. Small \& Soms are alreally at work in the ereat hall of the Pension building on preparatory work for the decorations for the inaugural ball.

John Robertson is carying a fine stock of Enchantress, Estelle, Mrs. M. A. Patten and Lady Bountiful earnations, grown by Joln Prown.

Ponnett, of Alexandria, Vi., is now doing bonsincss in the Contre market and shows gaod Bridesmaid ruses of his own grawing
Georre H. Cooke was very busy all the week on dinuer decorations.


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\begin{tabular}{|c|c|c|}
\hline \[
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\$ 10 & \text { per } & 100 \\
\$ 40 & \text { per } & 500 \\
\$ 75 & \text { per } & 1000
\end{array}
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Red Lawson will Bloom \\
340 against any other RED Carnation on the market
\end{tabular} & \begin{tabular}{llr}
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\(\$ 40\) & per & 500 \\
\(\$ 75\) & per & 1000
\end{tabular} \\
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8000 \\
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\text { Cut and sold } \\
\text { Xmas Week } \\
\text { at } \$ 1.50 \\
\text { per doz. }
\end{gathered}
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8000 \\
\text { BLOOMS } \\
\text { Cut and Sold } \\
\text { Xmas Week } \\
\text { at } \$ 1.50 \\
\text { per doz. }
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\$ 40 & \text { per } & 500 \\
\$ 75 & \text { per } & 1000
\end{array}
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50,000 Cuttings Sold \\
and not a word of complaint \\
FINE, STRONG, HEALTHY CUTTINGS
\end{tabular} & \begin{tabular}{llr}
\(\$ 10\) & per & 100 \\
\(\$ 40\) & per & 500 \\
\(\$ 75\) & per & 1000
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\hline \multicolumn{3}{|l|}{W.J.PALMER \& SON, Lancaster, N.Y.} \\
\hline
\end{tabular}

\section*{CARNATIONS.}

All the best varieties of this year's introduction. Also a full list of standard varieties including the famous white

THE BRIDE. JOHN N. MAY, Summit, N. J.
 THEODORE MIRTH,
Supl. Public Parks, HARTFORD, CONN.

American Florist
when you write to an advertiaer

\section*{CARNation}

\section*{CUTTINGS.}

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST. Per \(100 \quad 1000\)
Lawson. \(\$ 1.50 \$ 12.50\)
Guardian Angel. \(1.00 \quad 9.00\)
Enchantress.. \(3.00 \quad 25.00\)
Morning Glory. \(1.50 \quad 12.50\)
Mrs. Higinbotham. \(\begin{array}{ll}1.25 & 10.00\end{array}\)

Estelte \(2.50 \quad 20.00\)
Chicago............................... \(2.00 \quad 15.00\)
Adonis................................. 2.5020 .00
Flora Hill............................ \(1.00 \quad 9.00\)
White Cloud.......................... 1.2510 .00
Her Majesly......................... \(1.50 \quad 12.50\)
Harlowarden \(\begin{array}{ll}2.00 & 15.00\end{array}\)

Orders Filled Promptly.

\section*{WIETOR BROS.}

\section*{51 Wabash Ave., Chicago.}

\section*{Red Sport (OF MACEO.)}

RED SPORT bag proved the greatest money maker we ever grew, producing more good bloom to the square foot of bench room than any other sariety ou the place.
During the glut the first half of January, we could get but four cents for fancy Lawsons, but old every RED SPORT bloom we had for five cents esch.
Every grower who was bere in December was oarried away with RED SPORT'S possibilities as a future supply of a bolly berry' red lor Christmas. There is no pick in the blooms: they are all a unlform size and color. There are 40 or 50 thousand buds now showing in the various stages of development, and there is not a splat or aff color bloom in the lot, and every plant is the pleture of health.
season plat 10 RED SPORT for nex season's blooming, the cut from which is alleudy RED SPORT is an easy doer and every grow
can suocessiully grow it. dellvery: 12 tor \(\$ 1.50\); 25 tor \(\$ 2.50\). 50 for 84.00 , post paid; \(\$ 6.00\) per 100 \(\$ 50.00\) per 1000.

OuRen LOUISe the most profitable standard bite, \(\$ 1.25\) per 100 , post

We guaranlee all cutlings 10 be well rooled and to arrive in good condition.

\author{
A. B. DAVIS \& SON, \\ GARNATION SPECIALISTS
}

Puroellville, Ve.
Carnations ROOTED CUTTINGS.
Send tor price list of all the new and standard sorts.
Wm. Swayne, kennelt Soxuare, phila

\section*{500,000 VERBENAS \(\frac{60}{\text { varieties }}\)}

The Largest and Finest Stock in the Country. PERFECTLY HEALTHY-NO RUST.

\author{
Prize Rooted Cutting
}
\(\qquad\) . \(\mathrm{B0}\) c per 100; 8500 per 1000 Plants, 2Y-inch pots.
82.50 per 10 J ; \(\$ 20.00\) per 1000
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|l|}{} & Cuttings ealthy : : & \[
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\] \\
\hline \multicolumn{4}{|l|}{CRISIS, Now} \\
\hline Per 100 & Per 100 & & Per 100 \\
\hline Mrs. Patten............. \(\$ 600\) & Flamingo. . ............ \(\$ 6.00\) & Buttercup & \(\$ 300\) \\
\hline Judge Hinsdale.......... 400 & Dorothy Whitney....... 3.10 & Prosperity & 2.00 \\
\hline Lady Hountilul.......... 5.00 & Golden Beauty .......... 300 & Mrs.J. H. Manley & ... 2.50 \\
\hline 1001000 & 1001000 & & 1001000 \\
\hline Wm. Scott. . . . . . 81.25 \$10.10 & Mrs. Lawson...... \(\$ 2.00 \$ 1500\) & Mrg. E. A. Nelson & 1.50 \(\$ 12.00\) \\
\hline Floriana.......... 1.251000 & Adonis .......... 2502000 & White Cloud.... & 15012.00 \\
\hline Lorna .... ........ 1.2510 .00 & Harry Fenn...... 2001500 & Flors Hill........ & 1.2510 .00 \\
\hline Eldorado.......... 1.2510 .00 & Gov. Roose velt.... 1.5012 .00 & Portia. & 1.2510 .00 \\
\hline Mrs. Joost........ 1.251000 & Mrs. P. Palmer.... 1.251000 & Queen Louise & 1251000 \\
\hline Enchantrese...... 3002500 & The Queen........ \(2.50 \quad 2000\) & Dorothy & 1.251000 \\
\hline
\end{tabular}

60,000 GRAFTED ROSES For Forcing-..-Finest Grown. Orders booked for delivery in April, May and June LIMERTY, rose pots. \(\$ 200\) per 100; 3y-1nch pots, per \(100 \ldots \ldots . .\). BRIDES, BRIDESMAIOS, EOLOEN GATES, KAISERIMS, rose pots, per \(100 \ldots \ldots 10.00\) 91\%-inch pots per 100. SEND FOR PRICE LIST.

\section*{J. L. DILLON, Bloomsburg, Pa.}

\section*{Rooted CARNAION CIITINGS NOWV READY...}
\begin{tabular}{|c|c|c|c|c|c|}
\hline WHITE. & Per 100 & 1000 & SCARLET. & Per 100 & 1000 \\
\hline Queen Loui & ... 81.00 & \$10.00 & America & 1.00 & 10.00 \\
\hline Flors Hill & . 1.00 & 10.00 & Potter Palu & . 1.00 & 10.00 \\
\hline Albs & . 1.40 & 12.50 & Estelle & . 1.40 & 12.50 \\
\hline Gov. Wolcot & . 1.00 & 10.00 & J H. Manley & . 1.50 & 15.00 \\
\hline Norway & . 1.00 & 10.00 & A pollo. & .. 1.50 & 15.00 \\
\hline Lillian Pon & . 1.40 & 12.50 & CRIMSOM. & & \\
\hline Chicot.. & . 1.20 & 10.00 & Harlowarden... & . 1.40 & 12.50 \\
\hline PINK. & & & Gov. Roosevelt & . 1.20 & 10.00 \\
\hline Mrs. Thos. Lawson & . 1.40 & 12.50 & YELLOW. & & \\
\hline Enchantress. & . 3.50 & 30.00 & Golden Heauty. & . 1.40 & 12.50 \\
\hline Mrs. Joost & . 1.00 & 10.00 & Eldorado. & .. 1.00 & 10.00 \\
\hline Success. & . 1.00 & 10.00 & VARIECA & & \\
\hline Mermaid. & . 1.00 & 10.00
10.00 & Prosperity.... & - 1.40 & 12.50 \\
\hline Cressbrook & 1.00 & 10.00 & Marshall Fiel & . 1.40 & 12.50 \\
\hline Pres. MoKinley & 1.40 & 12.50 & Stella. & .. 1.40 & 12.50 \\
\hline Mrs. Theo. Roosevel & 1.40 & 1250 & Armazindy & . 1.00 & 1000 \\
\hline SCARLET. & & & Viols Allen & - 1.20 & 11.00 \\
\hline G. H. Crane... & . 1.00 & 10.00 & Galety & 1.20 & \\
\hline \multicolumn{6}{|l|}{Special prices on large lots. Unrooted plps at hall price of above. 25 at 100; 250 at 1000 rates. Express prepaid at above prices. Cash or C. O. D. Wath privilege of examining.} \\
\hline
\end{tabular}

\section*{LOOMIS FLORAL COMPANY,}

\section*{CARNATIONS \\ ROOTED CUTTINGS. \\ \$ 12.00 per 100 10000 per 1000 \\ VICTORY \\ To Bo Dissominatod 1906.}
_-PLACE YOUR ORDERS FOR ROOTED CUTTINCS.-


E

ALEX. J. GUTTMAN, \({ }^{2}\) w. samst, New York City.

\section*{Newport, R. I.}

In spite of the severe weather the florists have had a good week, and are well satisfied. Caruations keep firm at 75 cents to \({ }^{2}\) I per dozen, and the growers realize 和 to \(^{2} 4\) per hundred according to varieties and quality. Nareissus, tulips and violets go very hard; the two former at 50 cents per dozen, and 50 cents is about all we can get for a 75 flower violet bunch. Bride roses sell at \(\$ 1.50\) to \$2, and American Beauty at \$2 to \(\$ 8\) completes the list. Everybody is very busy, trying to he really when the rush cones.
The Newport Horticultural Soeiety met for its regular last meeting of the month last Wednesday evening and a good number turned out, cold night as it was. After routine business the prize schedule was taken up for consideration. A complete report of the 1905 sehedule, dates of exhibitions, ete., will be given in the future. At this meeting John Robert Clark, seedsman of the George A. Weaver Company, and J. B. Parsonage were elected active members of the soriety. The meeting adjourned to Wednesday evening, Mareh 1, when it is hoper a large attendance will be on hand to settle many important matters.
Janes Boyd, head-gardener to Mrs. William Astor at Beechwood, has been cutting and sending to Mirs. Astor in New York good Harrisii lilies.
Samuel Speers and his sister, Miss Eliza T. Speers, have gone to Pittsburg, Pa., to attend the funeral of their uncle, the late Arthur Kenivill.
A. H. Folger has been here for a week in the interest of the Bonnie Brae nurseries of New Rochelle, N. Y
H. J. Hass is having his Thames street store painted rery attractively and put in thorough order for the coming season.

Arend Brandt will soon move from his Thames street store where he has been so long.

Providence, R. I.
The rold weather has noticeably affected the violet trade; where one could formerly sell a thousand of these flowers it is now hard to sell five hundred, even though the price is no object and is cut down to unprofitable figures. Nevertheless the quality stands the highest in years and bids fair to continue for another month, by which time we may expect to see an immense business in this favorite flower. Prices stand 25 to 50 ernts per hundred, with single violets mueh preferred over the English varieties. Most of the stores obitain \$1 per 100 for the Princess and 50 cents per 100 for California. Carnations and roses continue plentiful, the former at \(\$ 1.50\) to \(\$ 3\) per hundred and the latter at : to 10 cents each, wholesale. There is is rood supply of tulips and daffodils at 秚 per 10r. Ferns are high and of only average quality: Business tha past weok was good, with several prominent funerals to create a demand fur firstelass stock. Sweeney, of Broad street, was the largest uscr of roses in this resperect, with T. J. Johnston a chase suepont.

Marrea and .T. Il. Jushing have bern great sufferers from climatie colds and rheamatism this scason, although the latter gentleman is on a fair way to permaneat recovery

\title{
A Large Stock of Well Rooted CARNATION CUTTINGS
}

Selected from Clean, Healthy stock just the kind you are looking for and at ROCK BOTTOM PRICES as a leader we offer

\author{
MRS. LAWSON, \$1.25 per 100; \$10.00 per 1000.
}
\begin{tabular}{|c|c|c|c|c|c|}
\hline & \multicolumn{2}{|l|}{Per 100Per 1000} & & \multicolumn{2}{|l|}{Per 100 Per 1000} \\
\hline Boslon Market & . \(\$ 2.00\) & \$15.00 & Mrs. Ine & ...\$1.50 & \$12.00 \\
\hline Slella & 2.00 & 15.00 & Mrs. Nelson... & ... 1.50 & 12.00 \\
\hline Harry Fenn. & . 2.00 & 15.00 & Triumph & .. 1.50 & 12.00 \\
\hline Roosevelt & . 1.50 & 12.00 & Flora Hill & .. 1.00 & 9.00 \\
\hline Esielle . & . 2.50 & 20.00 & Guardian Angel. & .. 1.00 & 9.00 \\
\hline
\end{tabular}

All stock sold with the understanding that if not as represented same is to be returned immediately when money will be cheerfully refunded.

\section*{J. A. BUDLONG, 37 Randolph St, CHICAGO,}


This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \(\$ 12.00\) per 100; \(\$ 100.00\) per 1000.
J. L. DILLON, Bloomsburg. Pa.


The Commercial White?
If not do so. All orders buoked now are for March delivery.........
( JOHN MURCHE, Sharon, Pa, S S.S.SKIDELSKY, Philadelphia.
 Please mention the American Florist when writing.

\section*{CARNATION CUTTINGS}

WELL ROOTED, FROM SELECTED STOCK.
NELSON FISHER............ Per 100 Per 1000
MRS. M. A. PATTEN ... . ........ \(6.00 \quad 50.00\)
FLAMI NGO. . . . . . . . . . . . . . . . . . . . . . . . . \(6.00 \quad 50.00\)
CRUSADER......... .................... . . \(6.00 \quad 50.00\)
D. WHITNEY . . . . . . . . . . . . . . . . . . . . . . \(6.00 \quad 40.00\)

ENCHANTRESS..................... 400
H. FENN .... . . . . . . . . . . . . . . . . . . . . . . 3.00

MANLEY W................................
MANLEY. 3.00

FAIR MAID 2.60

BACKER \& CO., Billerica, Mass.
RODTED CARNATION CUTIINGS, CHEAP. Enchantress, Nelson Fisher, M. A. Patten, Gov. Wolcott, Bosion Market, Whit two variettes. Prices upon application.
C. G. VELIE \& SON, Mariborough, N. Y.

\section*{It is good business policy * * *}

American Florist

\section*{ROOTED cutings.}

Fine, Clean, Heallhy Stock.

\section*{ROSES}

Per 100 Per 1000


CARNATIONS.
\begin{tabular}{|c|c|}
\hline RED & Per 100 Per 1000 \\
\hline CRUSADER & 5500 \$45.00 \\
\hline FLAMINGO & . 5.50 45.10 \\
\hline ESTELLE & .. 25020.00 \\
\hline INE. & . 1.5012 .50 \\
\hline PINK & \\
\hline MRS NELSON & 1.5012 .50 \\
\hline MRS. LAWSON & . \(1.50 \quad 12.50\) \\
\hline GUARDIAN ANG & . 1.009 .00 \\
\hline MRS. JOOST & 1.2510 .00 \\
\hline GENEVIEVE LORD & 1.2510 .00 \\
\hline ENCHANTRESS. & \(3.00 \quad 25.00\) \\
\hline LIGHT PINK & \\
\hline FIGINBOTHAM & \(1.00 \quad 9.00\) \\
\hline GIBSON BEAOTY. & 12.00100 .00 \\
\hline WHITE & \\
\hline BOSTON MARKET & 2.6020 .00 \\
\hline PERU.... ... .... & \(1.00 \quad 9.00\) \\
\hline WHITE CLOUD & 1.5012 .50 \\
\hline QUEEN LOUJSE & \(1.00 \quad 9.00\) \\
\hline FLORA HJLL & \(1.00 \quad 9.00\) \\
\hline VARIEGATED & \\
\hline M. A. PA'l'l'EN. & \(5.50 \quad 45.00\) \\
\hline
\end{tabular}

GEO. REINBERG,
51 Wabash Ave., CHICACO,
Piease mention the A merican Florist when zuriting.

\section*{ROOTED}

CARNATION CUTTINGS.


\section*{60,000 \\ Gratede Roseflants}
We are now grafling on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 4 st in \(21 / 2-\) inch pots, thoroughly hardened off and ready to shift into \(31 / 2 \cdot \mathrm{inch}\), the following:
Per 100

ROOTED CUTTINGS. ready now.
Per 100
BRIDE, BRIDESMAID................................ 81.50
CHATENAY........................... 1.50


PERLE.

\section*{CARNATIONS.}
Per 1000
GOV. WOLCOTT................................... \(\$ 12.50\)
WHITE CLOUD.............................. 12.50
NORWAY.................................... 12.50

LAWSON.......................................... 12.50
J00ST.......................................................................25.00

CRUSADER......................................... 40.00
ESTELLE............................................. 25.00
AMERICA ............................................ 12.50
CRANE ................................................ 12.50
PROSPERITY..................................... 12.50
GAIETY
ALL PLANTS SHIPPED FROM hinsdale
Bassett \& Washburn,

Store: 76 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

\section*{Rooted Carnation Cuttings.}

\section*{PINK}
Enchantress........................... \(\$ 300\)

Fair Maid \(\$ 300\)

Alping Glow ........................... 250都
olson
WHITE
Quegn.... ..... ...... ...... ............ . . 2.50
Queen Lavise........................ . . 2.00
Boston Market. ...................... . 2.50
Marion....... ...... . . . . . . . . . . . . . . 2.00
RED
Flamingo
6.00

Crusader................................ 6. 60
Crane................................... 200
Mrs. Patten....... . . . . . . . . . . . . . . . 8.00
Prosperity . . . . . . . . . . . . . . . . . . . . . 2.50
Harlowarden. 20.00

Wo can turnish Cuttings of all tho Standard Varleties.
The Leo Niessen Co.
1217 Arch St., PHILADELPHIA, PA.

\section*{CARNATIONS \\ STRONG ROOTED CUTTINGS. \\ WE OFFER FIRST.CLASS STOCK OF THE FINEST VARIETIES.}

Vamiegated LawSon. Thia variety which we are intraducing this season we Pure ivory white with delicate carmine penciliogs. Mr. W. N. Craig, an authority on averything l'ure ivory white with delicate cgrmine penciliogs. Mr. W. N. Craig, an authority on overybing pertaning to horticulture. says that henoows habit and steru, and is bound to give satislaction. \(\$ 12\) per 100; \(\$ 100.00\) per 1000.
Red LawSon. A brightred sport of Lawson that is bound to be pooular, and will Cardinat Bright cardinal, or crimsod scarlet. Won trst prize for hest 100 scarlet. firs prize for best 50 carnations any color, first prize for best 50 scarlet seedliog Thicaga. \$1200 per 100: \$100 00 dar 1000.
Fiancee. Thequeen or pink carnations:in a class by itself. Mapoifcent flowers; strictly a Fred. Burki. Recommended as an extra frea-bloomiog white varie
White Lawson We consider this variety, which we iotroduced last season, the NAIE LaNSOIA. most prottable white carnation ever sedt out. We thitk it wil oubloom any other white two to one. It has given great satisfaction. When the howersare iof
 his wis occupy delivery. \(\$ 7.00\) per 100: \(\$ 6000\) per 1000.

LADY BOUNTIFUL. Amagoificent white of
last seasod's intreduction. \(\$ 6.00\) per 100 ; \(\$ 5000\) per 1000
- AHEIM. Dark crimson. Grand stiff stem. Calyx never burata, Free and abuddant bloomer, developing very quickly the con-
sider this the best all-around erimsoo cat
nation. \(\$ 6.00\) per \(100 ; \$ 50.00\) per 1000 .
MRS. M. A. PATTEN. This grand variegated
carnation has given splandid satisfaction \(\$ 600\) per 100: \(\$ 5000\) per 1000.
ENCHANTRESS. Freest hlooralog, briogidg highest marknt prices. \(\$ 4.00\) per 1.0 30.00 der 1000

MRS THOS, W. LAWSON. \(\$ 3.00\) per 100 : \(\$ 2000\) wer 1003.
PROSPERITY. A magoifcent fancy carnstion. \(\$ 3.00\) per 100: \(\$ 2000\) per 1 ، 00.

We aro now proparod to bonk ordore for \(1906 \mathrm{~V} / \mathrm{CTORY}\)
This is a real bread-and-butter variety. An early, iree and ahundant bloomer, with good stem; maguibceot keeper and shipper; flowers of the largest size. commanding the verv highest price on, us received. Deivery begin
F. R. PIERSON COMPANY, Tarrytown-on-Hudson. N. Y.

ROOTED CUTTINGS READY.
White Lawson
\(\$ 7.00\) per \(100 ; \$ 60.00\) per 1000 .
ENCHANTRESS,
\(\$ 4.00\) per 100; \(\$ 30.00\) per 1000
PINK LAWSON, 3.00 per 100; 20.00 per 1000 Send for catalogue for other varieties.
Chicago carnation co. JOLIET, HLLINOIS.

\section*{WM. PENN}

\section*{READY NOW. NO WAITING.}

A pleasing shade of pink, on a stiff, wiry stem. Growth ciean add uprighti io useless foliage. Will Produce More Flowers Dgr Square Fool Jhan Any Carnation Now Grown.
Worth growing by the thousand but rather than have you miss tryiog it, I will mall free of charge 25 roated citlines for \(22.50 ; 810.00\) per 100; *is.00 per luct 250 for 8 8.75.
gend for list of otber varieties,
Queen Louise and Lillian Pond. \(\$ 10.00\) per 1000. Floriana and Harry Fenn. 812.50 per \(10 c 0\).
ALBERT M, HERR, Lancasłer, Pa, Please mention the A mertcan Florsti when werting

\section*{Rooted Carnation Cultings}
—All Orders Flliod In Rotation.——
M=a. M. A. Patten...... variegated............... Per 100
White Lawson.
Alamingo.
Enchadtress
Queen.......
scarlet
white.
white.
Boston Market
Queed Louire, Lawson
J. H. Manley
scarlet.
scurlet 900
500
600
.. 2.00
Write Ior Prices on Iarge Lots. 5 Per Cent
Jas. D. Gockcroft, Li. Li., N. . . .

CARNATIONS Rooled white lawson.
The king of white sorts. A strong grower and a free bloomer. We have be filled io rotation. \(\$ 7.00\) per \(100 ; \$ 60.00\) per 1000.

Lady Bountiful Mrs. M A. Patten............... \(6.00 \quad 5000\) Nelson Fisher.................... \(700 \quad 60.00\) Dahem.................... . . . . . . . \(6.00 \quad 50.00\) Enchantress....................... 3.50 . 30.00 Boston Market. ................. 2.5020 .00 The Queen. Mrs. T. W. Gen. Maceo Morning Glory Mrs. G. M. Bradt Melba
Wueen Louise

\section*{GRAFTED ROSES}

We are now booking orders for future delivery. Write for prices

WOOD BROS, Fishkill, N. Y.

Wm. P. Craig
Piants, Bulbs and Seeds.
1305 Filbert Streel, PHILADELPHIA
Please mention the American Florist when wriling.

\section*{Toronto}

\section*{TEE MARKET}

Business for the first half of February was unprecedented, all lines of flowers moving freely. Carnations are the only flowers which are at all plentiful, and so many more of these are being grown in this section that it will take an extra amount of business to cause a shortage. Roses are of very fine quality, though not as pleatiful as the growers would like, especially when such heavy coal bills are running up. Meteor are showing very good color and Bride and Bridesmaid are coming with very strong stems. Select carnations are everywhere, and we thought them invincible until the American grown stock came along. Violets in large quantities are moving freely. Calla and Harrisii lilies are now more plentiful. St. Valentine's day proved a good one. Tiolets have now become the favorite medium of remembrance, and many hampers and fancy arrangements were sent out.
The visit to Toronto of the governorgeneral and suite has been postponed owing to sickness in the fanily, and consequently several large decorations have been cancelled.
The Georgetown Floral Company is sending in good Bride roses.
florists' and gardeners' club.
The carnation show beld by the Florists' and Gardeners' Association was much affected by the severe weather last week and a number of fine exhibits did not arrive until too late to be placed in competition, but those that did arrive were all of fine quality, and although the show was not as large as other years, the stock was decidedly better. Even thougn the weather was below zero, the exhibits with one exception, arrived in perfect condition. The exception, we regret to say, was Red Lawson, which in its frosted condition in the box looked very good and we were able to tell what really fine blooms they were before being shipped. The special awards were for the best vase of carnations, a silver cup, which was won by the Chicago Carnation Company, Joliet, Ill.; for the best collection of carnations, J. H. Dunlop, first; Chicago Carnation Company, second; for the finest cut blooms in flowers, J. H. Dunlop, first; Wm. Fendley, Brampton, second; for the best collection of flowering plants, Manton Brothers, first; J. H. Dunlop, second. William Scott, of Buffalo, having somewhat recovered from his recent illness, honored us with judging the exhibits.
Following is a list of exhibitors: J. E. Haines, Bethlehem, Pa., a fine vase of his seedling J. E. Haines; Cottage Gardens, blooms of Robt. Craig and Licut. Peary; Chicago Carnation Company, Lady Bountiful, which was awarded the challenge cup, and Cardinal, Fiancee, White Lawson and Enchantress. E. G. Hill, Richmond, Ind., sent a fine vase of the Cardinal and Lady Bountiful which arrived too late to be in competition, although they were in time to be placed on view during the evening. They were, however, judgel and the Cardinal seored 27 points, or two more than the variety which lifterl the cup. Weber \& Sons, Dakland, Md., were also late with their shipment, which did not arrive until Saturday morning. It consisterl of a vase of their seedling My Maryland.
Wm. Fendley, Brampton, showed

Enchantress, Crane, Estelle, Queen Louise and some fine double and single violets. J. H. Dunlop exhibited his collection of Enchantress, Lady Bountiful, Flaningo, Harlowarden, Adonis, Mrs. Nelson and Lawson. Chas. Turpe showed a fine vase Lady Bountiful. Joseph Bennett, Montreal, sent specimens of Piersoni and Boston ferns.
J. H. Dunlop had the only exhibit of roses. He liad vases of Bride and Bridesmaid, Franz Deegan, Meteor and Gen. MacArthur. All the above had stems from three to four feet long. Manton Brothers showed a group of miscellaneons plants nicely arranged.
Among the visitors were: Wm. Fendley, Brampton; F. Friedly, Chicago; S. Jordan, Peterboro; C. Morgan, Hamilton; C. Webster, Hamilton; W. Hageman, New York.
H. G. D.

Miliwaukee, Wis.-A fire in the Miller block damaged the retail store of Currie Brothers to the extent of \(\$ 200\) on the evening of Febrnary 13.

\section*{CARNATIONS.}

Genevieve Lord,
Apollo,
Lawson,
Fair Maid. Mrs. Patten, Enchantress, Morning Glory, White Cloud. Wolcott, Prosperity.
Gen. Gomez,

\section*{ROSES.}
\begin{tabular}{ll} 
Gen, MacArthur, & \begin{tabular}{l} 
Uncte John, \\
Perle,
\end{tabular} \\
Ivory, & American Beauly, \\
Bride, & Kaiserin, \\
Bridesmaid. & La Detroit. \\
Golden Gate, &
\end{tabular}
\(\mathbf{W}^{\mathrm{E}}\) offer Rooted Cuttings of the above at lowCuttings market rates. All hrst-class stock. special attention to the GEN. MacARTHUR, which we believe to be the coming red rose. Pricas on applicatlon.

POINSETTIAS, 1-yr-old, \$5 per 100.

\section*{The Gasser Company,} Euctid Ave., CLEVELAND, OHIO.


\section*{For Sale}

Oae thousand Rooted Carnation Cuttings of FLAMINGO for \(\$ 40.00 \mathrm{and}\) One Thousand of ADONIS, \(\$ 25.00\). Cash with order to parties
neer

JOHN L, WYLAND, de haven,

\section*{RICHMOND GEM \\ }

CARNAIIONS
150,000 Rooted Cuttings.
Per \(100 \quad 1000\)
Queen Louise . \(\$ 1.00 \$ 10.00\)
America...
\(\begin{array}{cc}1.00 & 10.00\end{array}\)
G. H. Crane. \(\begin{array}{ll}1.00 & 10.00\end{array}\)
Eldorado \(1.20 \quad 10.00\)
Marshall Field............................ 1.40 12.50
Armazindy.
Mrs. Joost.................
Mrs. Thos. W. Lawson \(1.00 \quad 10.00\)

Mrs. Thos. W. Lawson... \(1.00 \quad 10.00\)
Pres. McKinley 1.40

Success........................
Harlowarden. \(1.00 \quad 10.50\) \(1.40 \quad 12.50\)
Unrooted cuttings at half price. Terma: Cash or C. O. D. with privilege of examina tion. Express prepaid at above pricas and satisfaction guaranteed.

\section*{HERMITAGE CARNATION CO., LOOMIS, CAL.}

Please mention the Ameracan Florist when writing
CARNATIONS.
PETUNIAS. SALVIAS.

\section*{Strong Rooted Cuttings.}


A very pleasing salable shade of pink. Ihave grown it for five years and it gave me more good salable
Should be planted by avery grower of cut flowers if he wants a contiouous cat of flowers the whole seasoa. Every shoot a frea of charge mail 25 well-rooted cuthing 1010 . 250 for \(\$ 18.75 \quad 10,000\) outtings now ready. All orders flled promptly.
FRANK L. KOHR, Lancaster, Pa.

\section*{CARNaTION CUTTINGS.}

The following at \(\$ 3\) per 100; \(\$ 25\) per 1000
White Lawson M. A. Patten Flamingo
Lady Bountiful Nelson Fishe Lady Bountiful Crusader The following at \(\$ 2\) per 100 ; \(\$ 15\) per 1000
\(\qquad\) Boston M

Quee
IMPERIAL GREENHOUSES. Pair Maid
บ.:

Also Per 1001000 Enchantress........ 8403830.00 Lawaon.
Joost... 1.501250 \(1.25 \quad 10.00\)

\section*{per 1000,
Hoston Market \(100 \quad 1000\)}
 White Cloud. Queen Louisa.
Quallty is Our Hobby
W. C. HILL FLORAL CO.,

Please mention the American Florist to advertisers.

\title{
WE WISH TO ANNOUNCE
}

\author{
W．P．PEACOCK， \\ DAHLIA SPECIALIST．
}

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\section*{L．K．PEACOCK，ncoroonag，Atco，New Jersey．}

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Order now，the TELEGRAPH GERANIUM．Will make money faster than any plant you may handle this season．A prize winner all over．Pronounced the finest on
off your bench at sight for \(\$ 3.00\) per doz．，and give tone to your establishment．

STRONG PLANTS，2Y－INCH，\(\$ 15.00\) PER 100 ．For sale by the leading houses，and
Thomas Devoy \＆Son，Poughkeepsie，N．Y．


\section*{Dadilias}

Mrs，Winters The besutiful new white is still queed of the world，strong tubers，\(\$ 1000\) per 100 ．
1ageborg Egeland the lesding soarlet csetus，\(\$ 3.00\) per doz．；\(\$ 20\) per 100 ．Oiher novel－ ties and stsadards．Also double feld－grown Hollyhocks．true to color， 83.00 per 100 ．Gledioli， Peonies and Hardy Plants．Send for catalogue．
W．W．WILM0RE．Dahlia Specialist， Box 382，DENVER，COL．

\section*{COLEUS}

\section*{ROOTED CUTTINGS}

Verschsfieltii，Fire Brsad，Golden Queen，Beck－ with＇s Gem，Lord Palmerston，Queen Victoria and Fsancies，60c per 100； 85.00 per 1000
Goldөa Bedder（Original）a ad Hero Tže per 103； 6.00 per 1000 ．A discount of 10 per cent sllowed on large orders．
ageratum，Princess Pauline and Stells uraey
SALVIA，Splendens and Jean Revensl，rooted cuttings， 75 c per 100 \(\$ 86.00\) per 1000 ．
VINCA VARIECATA， 3 ．
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The nestest, simplest, molt
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all gtandard made pots irom 2 to 10 inches in diameter. The illustration showe how they are attached. Juet the thing for hanging up ferns, begonias, eto. You gan make
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FOR SALE BY WHOLESALE SEEDSMEN, FLORISTS AND Price with wire ohain an Bhown in cut, 81.00 per dozen by express. Sample dozen
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Paoked in small orates, essy to handie.
 1500 2-in., in orate, \(84.88 \mid 1207^{7}\)-in., in orste, 84.20 \(1500214 \quad\) " \(5.25 \quad 608\) " 3.00
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Seed pans, same price \(\begin{gathered}8.16 \\ 616 \\ \text { 4.60 }\end{gathered}\) iist of Cylinders for Cut Fiowers, Hanging Baskets. Lawn Vases, eto. Ten per cent off for cash with
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Before bnying write for prices \(361-363\) Herndon Street. near Wrightwood Ave.

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\section*{THOSE RED POTS \\ STANDARDS"}

FULL SIZE AND WIDE BOTTOMS BULB PANS AND AZALEA POTS

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MARRY BALSLEY,
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A FREE trial five pound bag will cost you nothing more than the express cbarges on it; the trial bag will prove our assertion that A it is the most effective, cleanest and quickest as well as the cheapest
aphis killed in one night-our booklet tells of it; we mail one on request.
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FDR SALE BY SEEDSMEN.
24 sheets. 75. 144 sheets, 83.50 ; PACKED IN FRICTION-TOP TINS Preventing Loss by Evsporstion.
Mig. by Kenlucky Tobacco Producl Co., Iouisville, Ky.
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 Thid wooden box gicely stained and varnished, \(18 x 30 \times 1\), mude in two sections, ong \(^{\text {for exch size letter: given away with firsi }}\)
order of 500 letters. order of 500 letters.
Biock Letters, \(11 / 2\) or 2 -inch size, per \(100, \$ 2.00\). Seript Letters, 84. Fastener with each letter or Used by leading florists everywhere and for sale by all wholesale forists and supply dealers.
N. F. McCARTHY, Treas, and Manager, 84 Hawley 8t., BOSTON, MASS.

MEALY BUG
"Niooticide is the only thing I have ever found would kill Mcaly bug in Green-
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It would pay large users of dust to communicate with us and get samples and prices.
 ROSSIG BROTHERS, .mennernazas orArtifioial Leaves.
ALL STYLES IN HUNDREDS OF DIFFERENT DESIGNS. PAPER AND MUSLIN. SMILAX, YARDS and PIQUETS. Samples Furnished to the Jobbing Trade Dnly.
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insure immense corons. NITRO-CULTURE containe these germs. sprinkle on seeds beFore plantine. difrma increase-enrich the - sary. 8n. no worth increaspa yield per acre enormously. Write for catalogue. 6 P
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CUT FLOWER BOXES Watcenpoos The best, strongest and neatest folding out Aower box evar made. Cheap, dursble. To try
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Oceanic, N. J.
The Monmouth County Horticultural Society held a lively meeting February 17. The ball committee reported all bills paid and over \(\$ 50\) surplus on hand. President George H. Hale had some fine violets on exhibition. Several members of the society offered prizes for an essay on "Rose Culture Under Glass.' Only assistant gardeners may compete for these prizes. The papers must be sent in before March 3 to Secretary H. A. Kettel, Fairhaven, N. J. The judges on these papers are: H. A. Kettel, N. Butterbach, Wm. Turner, Geo. H. Hale and W. W. Kennedy.

Different committees appointed by the president are: Investigating committee, Wm. Turner, N. Butterbach, H. A. Kettel; executive committee, C. H. Walling, T. S. Barkuloo, H. Longstreet, John Yeomans and P. Hicks; exhibition committee, H. McCarron, W. W Kennedy, H. A. Kettel and Vm. Turner

\section*{San Antonio, Tex.}

Cut flower demand is good but the supply scant. There are no flowers being shipped in at present, though it would seem that Kansas City, Memphis or Mobile growers should be able to lay their stock down here in good shape. A live cut flower store in the down-town district would pay well if the stock could be secured to supply it.

Trade representatives from the Plant Seed Company, St. Louis, Mo., and Henry A. Dreer, Incorporated, Philadelphia, Pa., were recent visitors.

\section*{Omaha.}

St. Valentine's day business was good in spite of the extrense cold weather. Plant sales suffered, as it was impossible to bring them to the stores. Prices on roses and carnations went up 25 per cent. Violets are plentiful and sell well. Out-of-town orders were hard to get to their destination on account of all the trains being late. In fact, some express companies refused to accept packages on the branch lines. The coal proposition looked bad for a few days, but the worst is over and no one suffered except the pocket-book. Since December \(\because 6\) we have had a steady, cold winter such as we never had before. Gripfe.

Vergennes, Vt.- The annual meeting of the Vermont Horticultural Society closed February 11, with the election of the following officers: President, E. S. Brigham, of St. Albaus; secretary, William Stuart, of Burlington; treasurer, A. M. Vaughan, of Randolph; auditor, T. L. Kinney, of South Hero.

\section*{THE}

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The GARDFNERS' CIIRONICLE bas been for ovele Sixty Years the Lheadino Journal of it OVE14 SIETY Years Tne headino Journal or ite speciaily devotiug itself to supplying the daily requirernents of gardeners of all chasses, the information furnished is of surh general and permatuent value that the GARIDENERS' CHRONICLE as looked up to as the btandard adthomity on the suljects of which it treats. bubscriptions to the United States, 84,20 per year. Rerattances to Le made payable to H. G. COVE. Office:-
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Will sell special homeseekers' tickets from Chicage to many points in Texas, ma Territories, at wo for the round trip. Limit. three weeks from date of sale.
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('. S. 'lRANE, G. P. \& T. A., St. lomls.

\footnotetext{
Champaign, Tll.-Yestrom's greenhouse was destroyed by fire February 7. The fire started from lar heating plant.
}

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White Carnations GREEN
For St. Patrick's Day.
Be up-to-date and arrange your show wladows
Green Carnalions for St. Patrick's Day.
March 17th. You will not regret it. Ite a money maker. J sell the Liquid in quart aane at 81.00 per can. One quart will color 1000 or morecarnatlons.
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\section*{CATALOGUES}

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\section*{British Trade Topics.}

The great boom in new varieties of potatoes which deserved to rank with the sensational prices paid for carnations in America has now collapsed. The business has been overdone and the day of reckoning has brought remorse. The sensational prices have brought out a large number of new varieties, totalling 150, all claiming to be the very best ever introducerl. Several American varieties are being pushed on this side. J. M. Thorburn \& Company, of New York, have placed on the market a new early, Noroton Beauty, while another of their introductions, Carman, is receiving attention in the great growing center iu Lincolnshire. H.J. Jones, of Lewisham, who is making a specialty of potatoes in addition to chrysanthemums, bas grown a large quantity of Uncle Sam, another American newcomer. He describes it as one of the best potatoes he has known.

The National Chrysanthemum Society, whose annual meeting has just been successfully held, has decided to establish a department of plant registration. It is intended to issue each year a list of the new varieties, giving full information of the same, and this will prove exceedingly useful in preventing any duplication of the names. Now that so many additions are being made each year it is essential that there should be a check of some kind.
A. F. Dutton, carnation specialist, of Benley Heath, Kent, has secured a larger aursery at Iver, in Buckinghamshire, to cope with his increasing business. He has designed his new houses, in which perfect ventilation, lightness and strength have been secured. Two houses contain about 10,000 plants of American tree carnations which are grown on benches, and the plants are supported by wires. The chief varieties are Mrs. T. W. Lawson, Enchantress, Fair Maid, Harry Fenn, Floriana, Governor Roosevelt, etc. He has given a preference to American carnations from the fact that they are easier to grow, have a stronger constitution, are much freer in flower, and are quite perpetual. He is able to secure from them blooms all the year round, whilst from English varieties he has to wait until the early spring. Mr. Dutton also extensively cultivates Malmaison and border carnations. He sends blooms to the Covent Garden market all the year around, and these meet with a grod sale at satisfactory prices. The highest average is in June and July, when about 600 dozen flowers a week are sent to London. The average throughout the ycar is fifty dozen a day. There is an increasing demand for carnations amongst market florists.

Reference has been made in a previous letter to a new carnation named Fascination, offered by J. Ambrose of Cheshunt, being regarderl as synonymous with the American variety Enchantress. After a wordy warfare the introducer states that he was under a misapprehension, and that the two varieties are the same.

The severe and unusual spell of frost in the south of France has caused a shortage in the supply of bloons from thes continent. This has had the effect of causing an inflation in prices of the home grown flowers. Trule generally is rlull amonest florists and nurserymen, for the depreasion throughont the coun-
try has made its effect felt in the horticultural world.

The Royal Horticultural Society has made good progress in its new headquarters. An encouraging report will be presented at the annual meeting next Tuesday.

\section*{Buffalo.}

Very stormy weather was our portion last week and very few trains arrived on time from our nearest carnation towns. Trains were from three to seven hours late. Trade was retarded on that account, but all got out without any serious loss. St. Valentine's day was all that could be expected and from a floral point of view it is getting better every year. Supply is about what could be expected at the present time, bulb stock being plentiful. Roses and carnations are of a good quality and equal to all demands. Violets are good and sell readily at \(\$ 1\) per bunch of 50 .

Jos. Sangster who for several years had had charge of the store of \(S\). A. Anderson, severed his connection to accept a position with Edward Sceery of Paterson, N. J.; upon his departure he was presented with a handsome cut glass dish by Mr. Anderson and the employes.

There was an unusual stir at the store of S. A. Anderson the past week. Mr. Anderson took his Knights Templar degree and the employes joined in presenting him with a charm.

There will be a meeting of the Florists' Club Wednesday afternoon when nomination for officers will be in line and other business of importance will be transacted.

Arthur Zirkman, of M. Rice \& Company, and C. B. Knickman, of McHutchinson \& Company were recent visitors. Bison.

\section*{Detroit}

St. Valentine's day brought a great increase to the business of the florists here, who were already busy without that event. Violets were in great demand and many more could have been sold if they were obtainable. Roses Which have been in meagre supply for the past month were not available in sufficient quantities to properly fill the orders for them. The shortage of roses and carnations has the effect of consuming completely a big quantity of bulbous stock, which would otherwise be a surplus on the market. There was a great demand for flowering pot plants and many azaleas, lilies, tulips and daffodils were disposed of. The weather was that day, as well as many days immediately before and since, intensely cold and aused much to the difficulties attending deliveries that day.

Robt. Watson, who has been very ill, is now able to be about again, and F. H. Beard, who has been suffering from an attack of appendicitis, is much improved and his complete recovery is expected soon.
J. F. Sullivan returned from the carnation mecting at Chicago with an attack of pneumonia and is still confined to the bouse but is rapidly improving.

The Florists' Club meeting of February 15 was poorly attended because of the unusual severity of the weather.

Visitors: Representatives of L. Van Leeueen \& Son, G. Vlassfeld \& Son, C.
J. Steelman \& Son, K. Van Bourgondien \& Sons, H. Zijp \& Co., Holland; Hammond's Slug-shot Works, New York.
J. F. S.

\section*{Louisville.}

The past week averaged very satisfactorily, although, with the possible exception of St. Valentine's day, there were no special events. The business for that day was unusually good, probably the best experienced by many. The weather again turned very cold but at present the outlook is favorable for a much longed for change. Roses of firstclass quality are scarce, especially American Beauty. The other grades can be had in satisfactory quantities, the demand having been up to expectations. Carnations have been coming in in greater quantities, but despite the good supply the demand has been so good as to make them short, especially of the better grades. Violets, both single and double, have been selling well, the quality being very good, with the supply a little short. The glut in lily of the valley has about ended. The quality of nearly all the bulbous stock this year is unusually good with the demand and supply satisfactory. Asparagus sprays are almost impossible to secure locally.

At Hernan Kleinstarink's place things are being prepared for a big spring trade, the place being well stocked with geraniums, heliotrope and other bedding stock.

At Schulzs' a great array of bulbous stock is in evidence.

Visitor: S. S. Skidelsky, Philadelphia, Pa.
F. L. S.

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American Florist Co.:-Please flnd enclosed one year's subscription. I find your paper the best for my business in the country.
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Three Complete Greenhouses.
Complete with all appurtenances, in cluding the Flowers, Plants and Shrubs. Each house is \(22 \times 300\) teet. Thev have Patent Ventilators, extra thick sash and regular stple hothouse sash, size \(3 \times 6\) leet. We will sell these Greenhouses either complete or in parts. They include complete heating spstems. Over 50,000 Plants are in these Houses. A complete list of them with our extremely low prices mailed on application.

HOT-HOUSE SASH.
5,000 Standard Hot.bed Sash, \(3 \times 6\) feet, heavy rail, in fine condition.

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10,000,000 feet ot pipe for every purpose. Standard black wrought iron, sizes \(3 / 8\) to 12 -inch.
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Send us your Lumber Bill for our estimate. We can furnish you anything in the line. Studding, Joists and Timbers. Mixed 2 inch Planking, dressed and matched flooring. Timbers in sizes \(4 \times 4\), \(4 \times 6,6 \times 6,6 \times 8,8 \times 8,10 \times 10,10 \times 12,12 \times 12\), \(14 \times 14\) and in lengths from 8 to 80 feet. Interior finishing material.

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Thousands of Sash and Doors for quick delivery. Can furnish all sizes. Write for our Sash and Door List.

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60,000 feet of Rubber Hose in sizes from \({ }^{3} 4\) to \(21 / 2\) inch. We are making very low prices on large quantities.

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mation Co
TobaccoWarebouse \(\begin{gathered}\text { Trading }\end{gathered}\)

Newtonville,
Newtonville,
Knapp is making repairs to his green house which was damaged by fire last week. Vick's Sone Jas.... 20. Waban Rose Conser. 207 Wabash R R Ward Ralph M\& Co.II Watsod W H
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Carnation-Rooted carnation cuttings: White Lawson, \(\$ 6\) per 100, \(\$ 50\) per 1,000; Flamingo, \(\$ 6\) per 100, \(\$ 50\) per 1,000; The Queen, \(\$ 2.50\) per 100, \(\$ 20\) per 1,000: Cardinal from 2-in. pots, \$12 per 100.

Larchmont Nurseries, Larchmont,
Carnation-150,000 rooted cuttings. Unrooted cuttings, half price. Queen Loulse, \(\$ 1\) per 100, \(\$ 10\) per 1,000 ; Amerlca, \$1 per \(100, \$ 10\) per 1,000 . G. H. Crane, \(\$ 1\) per \(100, \$ 10\) per 1,000 ; Eldorado, \(\$ 1.20\) per \(100, \$ 10\) per 1,\(000 ;\) Marshall Field, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000; Armazindy, \(\$ 1\) per 100 , \(\$ 10\) per 1,000; Armazindy, \(\$ 1\) per 100, \(\$ 10\) per 1,000 Mrs. T. W. Lawson, \$1.40 per 100. \$12.50 per 1,000; Pres. Mchinley, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,\(000 ;\) Success, \(\$ 1\) per
\(100, \$ 10\) per 1,\(000 ;\) Harlowarden, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000
Hermitase Carnation Co., Loomis, Cal.
Carnation-Crisis (new), \(\$ 12\) per 100; Mrs. Patten, \(\$ 6\) per 100; Judge Hinsdale, \(\$ 4\) per 100 ; Lady Bountiful, \(\$ 5\) per 100 ; Buttercup, \(\$ 3\) per 100 F Flamingo, \(\$ 6\) per 100: Dorothy Whitney, 33 per 100; Golden Beauty, \(\$ 3\) per 100 : Prosperity, \(\$ 2\) per I00; Mrs. J. H. Maney, \(\$ 2.50\) per 100 : Wm. Scott, \(\$ 1.25\) per \(100, \$ 10\) per 1,000; Floriana, \(\$ 1.25\) per \(100, \$ 10\) per 1,000 i Lorna, \(\$ 1.25\) per 100. \(\$ 10\) per 1,000 ; Eldorado, \(\$ 1.25\) per 100, \(\$ 10\) per 1,000: Mrs. Joost, \(\$ 1.25\) per 100 , \(\$ 10\) per 1,000; Enchantress, \(\$ 3\) per 100 , \(\$ 25\) per 1,000: White Cloud, \(\$ 1.50\) per 100, \$12 per 1,000; Flora Hill, \$1.25 per 100; \(\$ 10\) per 1,000; Mrs. Lawson, \(\$ 2\) per 100, \$15 per 1,000; Adonis, \(\$ 2.50\) per 100, \(\$ 20\) per 1,000; Harry Fenn, \(\$ 2\) per 100. 100 elo 00 gov. Roosevelt \(\$ 1.50\) per 100, 1 per 1,000, Mrs. P. Palmer, \(\$ 1.25\) per 100, \(\$ 10\) per 1.000, The Queen, \(\$ 2.50\) per 100 , \$20 per 1,000; Mrs. E. A. Nelson, \(\$ 1.50\) per \(10, \$ 12\) per 1,000 Portia, \(\$ 1.25\) \(\$ 1.25\) per 100 , \(\$ 10\) per 1,000 ; Dorothy \(\$ 1.25\) per 100, \(\$ 10\) per 1.000 .
L. Dillon, Bloomsburg, Pa

Carnation-Red Lafrson, at \(\$ 1.50\) per doz., \(\$ 10\) per 100; \(\$ 40\) per \(500 ; \$ 75\) per 1,000. J. Palmer \& Son, Lancaster, N. Y.

Carnation-Carnation Bride, \$6 per 100; \(\$ 50\) per 1,000; Phyllis, \(\$ 12\) per 100 ; \(\$ 100\) per 1.000 .

John N. May, Summit, N. J.
Carnation-Wolcott. White Cloud, Norway, Lawson, Morning Glory, Mrs. Joost at \(\$ 12.50\) per 1,000; Enchantress and Estelle, \(\$ 25\) per 1,000; Flamingo. \(\$ 50\), and Crusader. \(\$ 40\) per 1,000; Amer1,000 ; Gaiety, \(\$ 15\) per 1,000, Ali plants shipped froin greenhouses, Hinsdale. shi
Bassett \& Washburn, 76 Wabash Ave. hicago, Ill.

Carnation-Carnation cuttings, unrooted. The following at \(\$ 3\) per \(100, \$ 25\) per 1,000, White Lawson, Flamingo, Lady Bountiful, Mrs. M. A. Patten, Nel\(\$ 2\) per 100, \(\$ 15\) per 1,000; Enchantress, Boston Market, The Queen, Fair Mald.

Imperial Greenhouses, Utica. N. Y.
Carnation-Rooted cuttings, ready now. Write for price list.
F. Dorner \& Sons Co., La Fayette, Ind.

Carnation-The Bride, \(\$ 6\) per 100 , \(\$ 50\) per 1,000.

John N. Nay, Summit, N. J
Carnation-Crisis, \$12 per 100, \$100 per 1,000 J. L. Dillon, Bloomsburg, Pa

Carmation-Wm. Penn. 25 rooted cuttings, \(\$ 2.50, \$ 10\) per 100 ; \(\$ 75\) per 1,000, 250 for \(\$ 18.75\). Queen Louise and Lillian Pond, \(\$ 10\) per 1,000. Floriana and Harry Fenn, \$12.50 per 1,000 . Albert M. Herr, Lancaster, Pa.

\begin{abstract}
Carnation-Rooted euttings. Cru
sader. \(\$ 5\) per 100. \(\$ 45\) per 1,000 Flamingo, \(\$ 5.50\) per \(100, \$ 45\) per 1,000 Estelle, \(\$ 1.50\) per 100, \(\$ 12.50\) per 1,000 Ine, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 \(\begin{array}{lll}\text { Enchantress, } \\ 1,000 ; & \text { Nelson } & \text { Fisher, } \$ 6.50 \text { per } 100, \\ 105\end{array}\) per 1,000; Mrs. Nelson, \$1.50 per 100 \(\$ 12.50\) per 1,000 ; Mrs. Lawson, \(\$ 1.50\) per 100, \(\$ 12.50\) per 1,000; Guardian Angel 1 per \(100, \$ 9\) per 1,000; Genevieve Lord \(\$ 1.25\) per 100 , \(\$ 10\) per 1.000; Nlrs. Joost \(\$ 1.25\) per \(100, \$ 10\) per 1,000 Bos-
ton Market \(\$ 2.50\) per loo. \(\$ 20\) per 1,000 ton Market, \(\$ 2.50\) per \(100, \$ 20\) per 1,000 Peru, \(\$ 1\) per \(100, \$ 9\) per 1,000 ; White Cloud, \(\$ 1.50\) per 100 , \$12.50 per 1,000 Queen Louise, \(\$ 1\) per \(100, \$ 9\) per 1,000 res Hir, \(\$ 1\) per 100, \(\$ 9\) per 1,000 I.000: Gibson Eeauty, \$12 per 100, \(\$ 100\) per 1.000

Geo. Reinberg, 51 Wabash Ave., Chi
\end{abstract} cago, Ill.

Carnation-Rooted cuttings. Quality our hobby. Lawson, \(\$ 1.50\) per \(100, \$ 12\) per 1,000; Mme. Joost, \(\$ 1.25\) per 100, \(\$ 1\) per 1,000: Marquis, \$1.25 per 100, 100 \(\$ 12.50^{\prime}\) per 1,000; Prosperity. \$1.50 per 100, \(\$ 12.50\) per 1.000; Estelle, \$2 per 100 \(\$ 15\) per 1,000; Enchantress, \$4 per 100 \(\$ 30\) per 1,000; B. Market, \(\$ 2.50\) per 100 20 per 1,000; Queen Louise, \(\$ 1.25\) pe 100, \$10 per 1.000; Flora Hill, \$1.25 per \(100, \$ 10\) per 1,000.
W. C. Hill Floral Co., Streator, Ill.

Carnation-Unrooted carnation cut tings, Queen Loulse, Portia, Crocker, Goodenough, 50 c per 100 ; Lawson, \(\$ 1\) per 100; Gladiolus, bulbs, 75c per 100, \$6 per 1,000. Cash with order.

George M. Emmans, Nervton, N. J.
Carnation-Carnation cuttings. Wol cott, Boston Market, Enchantress, Mrs. Lawson, Prosperity, \$3 per 100, \$25 per 000

Welland \& Risch, 59 Wabash Ave. Chicago, Ill

Carnation-Footed cuttlngs. Chicago \(\$ 10\) per 100, \(\$ 120\) per 1,000; Boston Mar ket, \(\$ 2.50\) per 100 , \(\$ 20\) per 1,000; Belle \(\$ 5\) per 100, \(\$ 45\) per 1,000; Flora Hill, \(\$\) per 100, \(\$ 9\) per 1,000; Queer Louise, \(\$ 1\) per \(100, \$ 9\) per 1,000; Peru, \(\$ 1 \mathrm{per} 100\), \(\$ 9\) per 1,000. Fichmond Gems, \(\$ 10\) per 100, \(\$ 75\) per 1,000; Crusader, \(\$ 5\) per 100, \(\$ 45\) per 1,000 : Adonis, \(\$ 2.50\) per \(100, \$ 20\) per 1,000; Estelle, \(\$ 1.50\) per 100, \(\$ 12.50\) per 1,000; Indianapolis, \(\$ 5\) per 100 , \(\$ 420\) per 1,000. Phyllis, \(\$ 10\) per 100 , \(\$ 12\) per 1,000. Morning Glory, \$1.50 per 100 100, \(\$ 9\) per 1,000; Mrs. Higinbotham, \(\$\) per 100, \(\$ 9\) per 1,000 ; Guardian Angel \(\$ 1\) per \(100, \$ 9\) per 1,000; Nelson, \(\$ 1.50\) per 100, \$11.50 per 1,000; Enchantress \(\$ 3\) per \(100, \$ 25\) per 1.000; Lawson, \(\$ 1.50\) per 100, \(\$ 12.50\) per 1,000 .

Peter Reinberg, 51 Wabash Ave., Chi-
cago, Ill. cago, Ill.
Carnation-Rooted cuttings: Nelson Fisher, \(\$ 7\) per \(100, \$ 60\) per 1,000 ; Mrs M. A. Patten, \(\$ 6\) per 100, \(\$ 50\) per 1,000 J. D. Thompson Carnation Co., Jollet, Ill.

\section*{Carnation-Rooted cuttings. \\ Square, Philadelphla, Pa. \\ Kennett}

Carnation-Rootod carnation euttings now ready. White Lawson, Flamingo Lady Bowntiful, Mrs. M. A. Pattprn. Nel son Fisher, Albatross at \(\$ 5\) per 100, \(\$ 40\) per 1,000. Enchantress, Boston Market The Queen, Fair Naid at \(\$ 3\) per 100 25 per 1,000

Carmation-Fred Purki. All orders booked now are for March delivery. John Murchie, Sharon, Pa.

Carmation-My Maryland, dellvery January. 1906. \$2.50 per doz., \$12 per 100, \(\$ 100\) per 1.000. Write us for other vi. Weber \& Sons, Oakland, Md.

Carnation-Carnation cuttings; well rooted, taken from selected stock, clean and healthy. Lawson, \(\$ 1.50\) per 100 , \(\$ 12.50\) per 1,000; Guardian Angel, \(\$ 1\) per 100 , \(\$ 9\) per 1,000; Enchantress, \(\$ 3\) per 100 , \(\$ 25\) per 1,000 ; Morning Glory, \(\$ 1.50\) per \(100, \$ 12.50\) per \(1.000 ;\) Mrs. Higinbotham, \(\$ 1.25\) per 100, \(\$ 10\) per 1,000; Estelle, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 ; Chicago, \(\$ 2\) per 100, \(\$ 15\) per 1,000; Adonis, \(\$ 2.50\) per \(100, \$ 20\) per 1,000; Flora Hill, \(\$ 1\) per \(100, \$ 9\) per 1,000; White Cloud, \(\$ 1.25\) per \(100, \$ 10\) per 1,\(000 ;\) Fier Majesty, \(\$ 1.50\) per \(100, \$ 12.50\) per 1.000 ; Harlowarden, \(\$ 1.50\) per \(100, \$ 12.50\) per \(\stackrel{\rightharpoonup}{\text { Wi }}\)

Wietor Bros., 51 Wabash Ave., Chlcago, 111.
Carnation-Rooted carnation cuttings. Enchantress, \(\$ 3\) per \(100, \$ 25\) per 1,000 ;
Fair Maid, \(\$ 2.50\) per \(100, \$ 20 \quad\) per Fair Maid, \(\$ 2.50\) per 100 , \(\$ 20\) per 1,000; Alpine Grow, \(\$ 2.50\) per 100 , Lawson, \(\$ 2\) per 100 , \(\begin{array}{lll}\$ 20 & \text { per } 1,000 ; & \text { Lawson, } \$ 2 \\ \$ 15 & \text { per } 1,000: \text { Nelson, } \$ 2 \text { per } 100 \text {, }\end{array}\) \(\$ 15\) per 1,\(000 ;\) Queen, \(\$ 2.50\) per \(100, \$ 20\) \(\$ 15\) per 1,\(000 ;\) Queen, \(\$ 2.50\) per \(100, \$ 20\)
per 1,\(000 ;\) Queen Loulse, \(\$ 2\) per \(100, \$ 15\) per 1,000; Boston Market, \(\$ 2.50\) per 100 , \(\$ 20\) per 1,\(000 ;\) Marion, \(\$ 2\) per 100 , \(\$ 15\) per 1,000; Flamingo, \(\$ 6\) per 100; Crusader \(\$ 6\) per 100; Crane, \(\$ 2\) per \(100, \$ 15\) per \(1,00\). Mrs. Patten, \(\$ 6\) per 100; Prosperity, \(\$ 2.50\) per 100, \(\$ 20\) per 1,000; Harlowarden, \(\$ 3\) The Leo Niessen Co., 1217 Arch St. Philadelphia, Pa. Carnation-Red Sport (of Maceo) 12
for \(\$ 1.50,25\) for \(\$ 2.50,50\) for \(\$ 4.00\), post-
pald. By express \(\$ 6.00\) per \(100, \$ 50\) per 1,000.
A. B. Davis \& Son, Carnation Spe. cialists, Purcellville, Va.

Carnation-Carnation cuttings: Enchantress, \(\$ 3.50\) per \(100, \$ 30\) per 1,000 ;
Fair Maid, \(\$ 2.50\) per \(100, \$ 20\) per 1,\(000 ;\) Queen, \(\$ 3\) per \(100, \$ 25\) per 1,\(000 ;\) Queen Loulse, \(\$ 2\) per 100 , \(\$ 15\) per 1,000; Lawson, \(\$ 2.50\) per \(100, \$ 20\) per 1,000; Cress brook, \(\$ 2\) per 100 , \(\$ 15\) per 1,000; Chalenger, \(\$ 2\) per 100, \(\$ 15\) per 1,000; Maceo, \(\$ 2\) per 100, \(\$ 15\) per 1,000; Harry Fenn, \(\$ 3\) per \(100, \$ 25\) per 1,\(000 ;\) Prosperity, \(\$ 2.50\) per \(100, \$ 20\) per 1,000; G. M. Bradt, \(\$ 3\) per \(100, \$ 25\) per 1,0
per \(100, \$ 100\) per 1,000 .
C. Warburton, Fall River, Mass.

Carnation-Rooted cuttings, White Lawson, \(\$ 7\) per 100, \(\$ 60\) per 1,000; Enchantrese, \(\$ 4\) per \(100, \$ 30\) per 1,\(000 ;\) Pink Lawson, \(\$ 3\) per \(100, \$ 20\) per 1,000 .

Chicago Carnation Co., Joliet, 11.
Carnation-Rooted carnation cuttings now ready: Queen Loulse, \(\$ 1\) per 100 , \(\$ 10\) per 1,000; Flora Hill, \(\$ 1\) per \(100, \$ 10\) per 1.000 : Alba, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000: Wolcott, \(\$ 1\) per \(100, \$ 10\) per 1,000 ; Norway, \(\$ 1\) per \(100, \$ 10\) per 1,000 Lillian Pond, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000; Chicot, \(\$ 1.20\) per 100, \(\$ 10\) per 1,000; Amerlca, \(\$ 1\) per 100, \(\$ 10\) per 1,000; Mrs. T. Palmer, \(\$ 1\) per \(100, \$ 10\) per 1,000; Estelle, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000; Mrs. J. H. Manley, \(\$ 1.50\) per 100, \(\$ 15\) per 1,000; Apollo, \$1.50 per 100 \(\$ 15\) per 1,000; Harlowarden, \(\$ 1.40\) per 100 \(\$ 12.50\) per 1,000; Gov. Roosevelt, \$1.20 per 100, \(\$ 10\) per 1,000. Pink: Mrs. Thos. Laweon, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000 Enchantress, \(\$ 3.50\) per \(100, \$ 30\) per 1,000 Mrs. Joost, \(\$ 1\) per \(100, \$ 10\) per 1,000 Success, \(\$ 1\) per 100, \(\$ 10\) per 1,000; Mer maid, \$1 per 100, \$10 per 1,000; Cress brook, \(\$ 1\) per 100, \(\$ 10\) per 1,000; Pres.
McKinley, \(\$ 1.40\) per \(100, \$ 12.50\) per McKinley, \(\$ 1.40\) per 100, \(\$ 12.50\) per 1,000; Mrs. Theo. Roosevelt, \(\$ 1.40\) per 100, \(\$ 12.50\) per 1,000 . Yellow: Golden Beauty, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000 Eldorado, \(\$ 1\) per 100, \(\$ 10\) per 1,000. Varegated: Prosperity, \$1.40 per 100 . per 100 , \(\$ 12.50\) per 1,000 ; Stella, \(\$ 1.40\) per per \(100, \$ 12.50\) per 1,\(000 ;\) Armazindy, \(\$ 1\) per \(100, \$ 10\) per 1,000; Viola Allen, \(\$ 1.20\) per 100, \$11 per 1,000; Galety, \(\$ 1.20\) per \(100, \$ 11\) per 1,000 G. H. Crane, scarlet, \(\$ 1\) per 100; \(\$ 10\) per 1,000. Special prices on large lots: unrooted pips, half price rates, express prepald, cash or C. O. D., rates, express prepald, cash

Loomis Floral Co. Loomis, Cal.
Carnation-New carnation Willam Penn, a seedling of Scott and McGowan Price, \(\$ 10\) per \(100 ; 25\) at 100 rates; \(\$ 75\) Frank L. Kohr, R. F. D. No. 3, Lan caster, Pa

Carnation-Victory to be dissem inated, 1906 , \(\$ 12\) per 100 , \(\$ 100\) per 1,000 250 at 1,000 rate. Place orders for rooted cuttings: White Lawson, \(\$ 6\) per 100 ; Nelson Fisher, \(\$ 6\) per \(100 ;\) Mrs. Patten, \(\$ 6\) per 100; Enchantress, \(\$ 3\) per 100 ; Prosperity, \(\$ 3\) per 100; The Belle, \(\$ 6\) per 100; Lady Bountiful, \$6 per 100; Harry Fenn, \(\$ 2.50\) per 100 ; Goethe, \(\$ 2.50\) per 100; Genevieve Lord, \(\$ 2.50\) per 100 ; Manley, \(\$ 3\) per 100; Maceo, \$1.50 per 100 Cervera, \(\$ 2\) per 100; Lawson, \(\$ 2\) per 100 Five per cent discount for cash with order. Address all correspondence to

Gnttman \& Weber, Lynbrook, L. I.,
-- --
Carnation-Rooted carmation cuttings. White Lawson, 5,000 ready to be shipped, \(\$ 7\) per \(100, \$ 60\) per 1,000; Lady Bountifu, per 100, \(\$ 60\) per 1,000 ; Mrs. M. A. Patten, \(\$ 6\) per \(100, \$ 50\) per
1,\(000 ;\) Nelson Fisher, \(\$ 7\) per 100 , \(\$ 60\) 1,000; Nelson Fisher, \$7 per 100, \(\$ 60\) 1,000; Enchantress, \(\$ 3.50\) per 100 , \(\$ 30\) 1,000; Enchantress, \(\$ 3.60\) per 100 , \(\$ 30\) \(\$ 20\) per 1,000; The Queen, \(\$ 2.50\) per 100 , \(\$ 20\) per 1,000; The Queen, \(\$ 2.50\) per 100 , 100 per 1,00, 000 . Mrs T. W \(\$ 1.50\) per \(\$ 2\), 10 , \(\$ 2\) per \(10,3, \$ 18\) per 1,000; Gen. Maceo, \(\$ 2\) per 100, \(\$ 15\) per 1,000; Morning Glory, \(\$ 2\) per \(100, \$ 15\) per 1,000; Mrs. G. M,
 \(\$ 1.50\) per \(100, \$ 12\) per 1,000 : Queen
Louise, \(\$ 1.50\) per 100 . \(\$ 12\) per 1,000 . Louise, \(\$ 1.50\) per \(100, \quad \$ 12\) per 1,00
Grafted roses. Write for prices.

Wood Bros., Fishkill, N. Y.
Carnation-Carnation cuttings, Nelson Fisher, \(\$ 7\) per 100, \(\$ 60\) per 1,000; Mrs: M. A. Patten, \(\$ 6\) per 100 , \(\$ 50\) per 1,000 Crusader, \(\$ 6\) per \(100, \$ 50\) per 1,\(000 ; D\). Whitney, \(\$ 5\) per 100, \(\$ 40\) per 1,000; Enchantress, \(\$ 4\) per \(100, \$ 30\) per 1,\(000 ;\) Harry Fenn, \(\$ 3\) per 100 , \(\$ 25\) per 1,000 ; Manley, \(\$ 3\) per \(100, \$ 25\) per 1,000; Fair Maid, \(\$ 2.50\) per \(100, \$ 20\) per 1,\(000 ;\) Queen, \(\$ 3\) per 100 , \(\$ 25\) per 1,000 .

Chrysanthemum - Rooted cuttings Iarch 1 delivery, per 100: Wm. Duckham, \$2.50; Alice Byron, \$1.50; Marlon Newell, \$1.50; Col. Appleton, \$1.50; Omega, \(\$ 1.50\).

The B. K. \& B. Floral Co., Richmond, Ind.

Carnation-Rooted cuttings ready now: Lady Bountlful, Phyllis, Chlcago White, Robert Cralg, White Lawson. Send for prices. Albatross, \(\$ 5\) per 100, \(\$ 40\) per 1,000; America, \(\$ 1.75\) per \(100, \$ 15\) er 1,000 ; Boston Market. \(\$ 3\) per 100, \(\$ 25\) per 1,000; Cardinal, \(\$ 12\) per 100, \(\$ 100\) per 1,000; Crisis, new. \(\$ 12\) per 100, \(\$ 100\) per 1,000; Crusader, \(\$ 5\) per 100, \(\$ 40\) per 1,\(000 ;\) Daheim, \(\$ 6\) per \(100, \$ 50\) per 1,000 ; Dorothy Whitney, \(\$ 5\) per 100 , \(\$ 40\) per 1,000; Eclipse, Dorner's, \(\$ 12\) per \(100, \$ 100\) per 1,000; Enchantress, \(\$ 4\) per 100, \(\$ 30\) per 1,000; Estelle, \(\$ 3\) per 100, \(\$ 25\) per ,000; Fiancee, new (Mar. 1), \(\$ 12\) per \(100, \$ 100\) per 1,000; Flamingo, \(\$ 6\) per 100 , \(\$ 50\) per 1,000; Flora H111, \(\$ 1.75\) per 100 , \(\$ 15\) per 1,000; Lord, \(\$ 1.75\) per 100 , \(\$ 15\) per 1,000;'G. H. Crane, \(\$ 2.50\) per \(100, \$ 20\) per 1,000; Wolcott, \(\$ 2.50\) per \(100, \$ 20\) per 1,000; Harlowarden, \(\$ 2.50\) per 100 , \(\$ 20\) per 1,000; Indianapolis, \(\$ 5\) per 100 , \(\$ 40\) per 1,000; Morning Glory, \(\$ 2\) per \(100, \$ 18\) per 1,000; Lawson, \(\$ 3\) per 100: \(\$ 25\) per 1,000; Mrs. Joost, \(\$ 1.75\) per \(100, \$ 15\) per 1,000; Mrs. Patten, \(\$ 6\) per 100, \(\$ 50\) per 1,000; Nelson Fisher, \(\$ 6\) per 100 , \(\$ 50\) per 1,000; Prosperity, fancy, \(\$ 3\) per 100 , \(\$ 25\) per 1,\(000 ;\) Queen Loulse, \(\$ 1.75\) per 100 , \(\$ 15\) per 1,000; Red Lawson, \(\$ 10\) per \(100, \$ 75\) per 1,000; Rlchmond Gem, \(\$ 10\) per 100, \(\$ 75\) per 1,000; The Belle, \(\$ 6\) per
\(100, \$ 50\) per 1,000 ; The Marquls, \(\$ 1.75\) 100, \(\$ 50\) per 1,\(000 ;\) The Marquis, \(\$ 1.75\) 100, \(\$ 40\) per 1,000; Varlegated Lawson, \(\$ 12\) per \(100, \$ 100\) per 1,\(000 ;\) White Cloud, \(\$ 1.75\) per 100, \(\$ 15\) per 1,000 ;
Swan, \(\$ 10\) per \(100 \% \$ 80\) per 1,000 .
Vaughan's Seed Store, Chicago; Green-
houses, Western Springs, Ill.
Carnation-Strong rooted cuttings. N. Fisher, \(\$ 5\) per 100 ; Indlamapolis, \(\$ 4\) per 100: Enchantress, \(\$ 2.50\) per 100, \(\$ 24\)
 per 1,000; Estelle, \(\$ 2\) per 100 , \(\$ 18\) per ,avson \(\$ 150\) per 100 , \(\$ 14\) per 1,000 : Gawson, \(\$ 1.50\) per 100, \(\$ 14\) per 1,000 ; Glacier, \(\$ 1.50\) per \(100, \$ 14\) per 1,000 ; The W. Tr. Buckley Co., Springfleld,

Carnation-Rooted carnation cuttings; all orders filled in rotation; 5 per cent. discount cash with order. Mrs M. A. Patten, \(\$ 6\) per 100; White Lawbon \(\$ 5\) per 100; Flamingo, \(\$ 6\) per 100; Alba tross, \$5 per 100: Enchantress, \$3 per 100; Queen, \(\$ 2.50\) per 100; Boston Mar ket, \(\$ 3\) per 100; Queen Louise (Lawbon) \(\$ 2\) per 100; J. H. Manley, \(\$ 2\) per 100 Jas
Jas D. Cockeroft, Northport, L. I.
Carnation-Carnation Fred Burkl. All orders booked now are for March delivery. S. Skidelsky, Philadelphla, Pa.

Carnation -Carnation cuttinge:
W. H. Wataon, Lapeer, Mlch.
Carnation-Carnation cuttings.
Geo. A. Kuhl, Pekin. 111.
Carnation - Carnations, rooted cuttings. Prices on application. Cleveland, Company, Euclld Ave.
Gasser ------ -
Carnation-Green carnations, Preparation for coloring carnations green.
port, \(\bar{K} y\).
Carnation-1,000 rooted carnation cut tings of Flamingo, \(\$ 40 ; 1,000\) Adonls, \$25. Cash, parties unknown.

John L. Wyland, De Haven, Pa.
Carnation-Carnation, Willam Penn, 10,000 cuttings; 25 rooted cuttlngs,
\(\$ 2.50 ; \$ 10\) per \(100 ; \$ 75\) per 1,\(000 ; 250\) \(\$ 2.50 ; \$ 10\) per \(100 ; \$ 75\) per 1,000; 250 r \(\$ 18.75\).

Frank L. Kohr, R. F. D. 3, Lancaster, Pa.
Carnation-Carnation cuttlngs, Enchantress, Nelson Fisher, Mrs, Patten, Lawson, Wolcott, B. Market, Harry Fenn, Queen Louise and Flora Hill. Jensen \& Dekema,
Ave., Chicago, Ill.

Carnation-Rooted carnation cuttings, Enchantress, Nelson Fisher, M. A. PatEnchantress, Nelson Fisher, White Cloud and F. Joost.

Valley Vlew Greenhouses. C. G. Velie \& Son, Marlborough, N.
Chrysanthemum - Rooted cuttings, Wm. Duckham, Ben Welis, F. A. Cobzuehard, \$4; Mrs. Thirkell, \$2. No order filled less than \(\$ 1\),
W. A. Chalfant, Springfield, Mo.

\section*{Chrysanthemum-Strong rooted cut-} early chrysanthemums: Opah, Mme. shine.

Eli Cross, Grand Raplds, Mlch.
Chrysanthemnm-Strong rooted cut tings and plants. Leading standard varieties. Cash or satisfactory ref
ences.
Baur Floral Co., Erle, Pa.

\section*{Chrybanthemum-Geo. A. Kuhl, Ill}

Chrysanthemum - Chrysanthemum novelties: Merstham Yellow, White Coombes, Mrs Milenam, and ell ther novelties. 50 c each: \(\$ 5\) per doz. other novelties, 50 c each; \$5 per doz.; each; \(\$ 7.50\) per doz. Send for list.

Charles H. Totty, Madison, N. J.
Chrysanthemum - Chrysanthemums are our specialty. We have the best from raisers here and abroad. Our catalogue for 1905 describes them all.

Nathan Smith \& Son, Adrlan, Mlch.
Colens-Ten varieties Coleus, 2-in. pots, March 1 , \(\$ 2\).

Colens-Forty varieties, 70c per 100; \(\$ 6\) per 1,000.
S. D. Brant, Clay Center, Kan.

Colens-Rooted cuttings, Verschaffeltil, Fire Brand, GoIden Queen, BeckVictoria and Fancles 60 c per 100 , \(\$ 5\) per 1,000. Golden Bedder (original) and Hero 75 c per 100 . \(\$ 6\) per 1,000 . Discount of 10 per cent allowed on 10,000 or more.

Frank A. Pierson, Cromwell, Conn.

Cyolamen-Cyclamen splendens giganeum hybrids in bud and bloom, from 5 -in. pots, \(\$ 2.50\) per doz, \(\$ 20\) per 100 .

Cyclamen-Once transplanted, ready March 1. \(\$ 2\) per 100 , \(\$ 18\) per \(1,000\). C. Winterich, Defiance, \(O\).

Dahlia-Dahlia Sylvia, divided field rots, \(\$ 2\) per doz., \(\$ 15\) per 100
Vaughan's seed Store, Chicago and Now York.

Dablia-Dahlia, Mrs. Winters, \$10 per W. W. Wilmore, Box 382, Denver, Col.

Dahlias-Finest collection in U. S. end for price list.
W. P. Lothrop, E. Bridgewater, Mass.

Dahlias-Peacock's dahlias.
L. K. Peacock, Atco, N. J.

Dalaies- \(\$ 1\) per 100. S. D. Brant, Clay Center, Kan.

Daisles-Paris Daisy, giant, \(2-\mathrm{in} ., 21 / 2 \mathrm{c}\). Byer Bros., Chambersburg, Pa.

Easter Stock-Ready for Easter, Spiræa compacta floribunda, Japonica and Gladstone; cholce azaleas, all sizes and prices, 75 c , \(\$ 1\) and \(\$ 1.25 ; 1,500\) Van der Cruyssen; Hydrangea otaksa; Cineraria hybrida, \(6-\mathrm{in}\). pots; Japan and Harrisit lilies.

Godfrey Aschmann, 1012 Ontario St. Philadelphia.

\section*{Easter Lilies-Hinode Florist Co.,}

Easter Stook-Azalea Madame Van der Cruyssen, Azalea mollis, deutzias, rhododendrons, Primula veris, etc., etc. Baby Rambler mil 100 Henry A. Dreer (Inc.), 714 Chestnut St. Philladelphia

Easter Stock-Azalea mollis, 12-15-in., \(\$ 30\) per \(100,15-18-\mathrm{jn}\), \(\$ 40\) per 100 ; Deutzia gracills, \(12-15-\mathrm{in}\)., \(\$ 6\) per \(100 ; 15-18\) in., \(\$ 8\) per 100 ; Deutzia Lemoinei, 15-18in., \$8 per \(100 ; 18-24-\mathrm{in}\)., \(\$ 10\) per 100 . Rhododendrons, best hybrids, \(20-\mathrm{in}\)., \(\$ 9\) per doz.; \(24-\mathrm{in}\)., \(\$ 12\) per doz; ; 30-32-in., \(\$ 24\) per doz. Spiræa japonica, \$3 per 100 Spiræa nana compacta, \(\$ 4\) per 100 . The Storrs \& Harrison Co., Painesville, Ohio.

Perns-Boston ferns. per 100, 4-jn., \(\$ 15 ; 5-\mathrm{in} ., \$ 25 ; 6\)-in., \(\$ 40 ; 7-\mathrm{In}\)., 60 c each; 8 -in., 75 c each. Strong rooted runners of Boston, \(\$ 2\) per 100 .
Davie Bros., Morrison, Ill., and Geneva, 111.

Fern-Adiantum hybridum, \(\$ 5\) per 100; \(21 / 1-\mathrm{in}\). pots. \({ }^{\text {A. Ley }}\) \& Bro., N. Langdon, D. C.

Fern-Nephrolepis Scottil, 6-1n., pot grown, ready for s-in., \$15 per doz.i 7 grown, \(\$ 6\) per doz. ohn Scott, Keap

Fern-Adiantum Croweanum, the new maidenhair fern, helght \(31 / 2\) ft. Prices on application.

Wm. F. Kasting, Wholesale Florist, 383-387 Elltcott' St., Buffalo, N. Y.
Perns, Eto-Boston, Plersoni and Scottil ferns

Geo. A. Kuhl, Pekin, IH1.
Ferne, Etc.-Boston ferns, for 5, 6, 7 and \(8-\mathrm{in}\). pots at \(\$ 25, \$ 50, \$ 75\) and \(\$ 100\) per 100. Foster, 45 King St., Dorchester Mase.
Peverfew-Rooted cuttings and plants. Ludvig Mosbaek, Onarga, Ill.
Ficus-5 and 6-inch rubbers, 30c each. W. W. Coles, Kokomo, Ind.

Ficns-Ficus elastica, 6 and 7-inch. \(\$ 6\) to \(\$ 9\) per dozen. Philadelphia, Pa.

Forget-Me-Nots-Ever blooming for get-
100.

Byer Bros., Chambersburg, Pa.
Pachsias-Fuchsjas, rooted cuttings and plants.

Ludvig Mosbaek, Onarga, Ill.

Fachsias-Fuchsias, rooted cuttings 5 best vartetjes, 81.25 per 100 .

Gardenias-Gardenia plants and jessamine, our leading specialty. Natura growing conditions here ideal. \(1 \mathbf{y r} ., 18\) 24 -in., \(\$ 1.50\) per doz.; \(\$ 10\) per 100 .
C. W. Benson, Alvin, Tex.

Geraninms-10 varieties geraniums, \(21 /\) pots and 2 -in. pots, \(\$ 3\)

Jos. H. Cunningham, Delaware, 0 .
Geraniums-Rooted cuttings, flfteen s at \(\$ 10\) and \(\$ 12.50\) per 1,000 .

Geraniums-Geranium Telegraph, bedding out, conservatory or window strong plants, \(21 / 4-\mathrm{in}\), \(\$ 15\) per 100.

Thomas Devoy \& Son, Poughkeepsle, N. \(\bar{Y}\).

Geraniums-Jean Viaud, S. A. Nutt Castellane, John Doyle and Perkins Single and double Gen. Grant, La Favor ite, 2 -inch pots, \(\$ 2\) per 100 . Geo. M. Emmans, Newton, N. J.
Heliotrope-Rooted cuttings, \$1 per 100. Byer Bros., Chambersburg, Pa

Heliotrope-Rooted cuttings, 12 varleties, \(\$ 1\) per 100 ; \(\$ 8\) per 1,000 S. D. Brant, Clay Center, Kan.

Hollyhocks-Double fleld-grown, \$3 per 100 .
W. W. Wilmore, Box 382, Denver, Col.

IVy-German jvy, 2 -in., \(\$ 2.50\) per 100 Geo. M. Emmans, Newton, N. J.

Japanese Novelties-Tiny plants in 2 and \(3-1 \mathrm{n}\). decorated Japanese pots, \(\$ 15\), \(\$ 20\) and \(\$ 25\) per 100. Rhapis, 5 to 15 shoots 50 c each.

Hinode Florist Co., Woodside, N. Y., and Whitestone, L. l., N. Y.

Orchids-Cattleya Mendelli, also Lælla anceps and Oncidium tigrinum, etc Write for special list No. 14. Orchid growers and importers.

Lager \& Hurrell, Summit, N. J.
Orchids-Orchld importers; Brazilian, shipped in bulk. Cattleya Mossix, C. lablata, C. Warnerij, Lælla tenebrosa now arriving.

Stanley \& Co., Southgate, Eng.
Orchids-Orchids, per 100: Cypripedium insigne, \$8: Cypripedium callosum \(\$ 20\); Cypripedium Laurenceanum, \(\$ 25\); Dendrobium formosum, giganteum, \(\$ 9\) per doz; \(\$ 70\) per 100; Vanda Cerulea, 10 to 12 'lbs., \(\$ 15\) per doz.; 12 to 151 bs . \$22 per doz.
Julius Roehrs Co., Exotic Nurseries. Rutherford, N. J.

Orchids-Collectors and exporters of
Geo. N. J. Hochderffer, Flagstaf, Ariz.
Palms, Etc.-Araucarias
August Haerens Nurserles, Somergem, Ghent, Belglum. American Aarclay St., New York.
Palms, Eitc.-Growers and importers, palms and ferns; decorative plants.
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Palms, Etc-Palms, ferns and decoative plants.
R. Dreyer, Woodside, L. I., N. Y.

Palms, Eto.-Palms, ferns and decoative plants

Wm. P. Craíg. Rep. Jos. Heacock and John Burton, Assignee, 1224 Cherry St., Philadelphia, Pa.

Palms, Etc.-Kentia Belmoreana and Kentia Forsteriana

Joseph Heacock, Wyncote, Pa
Palms, Eto.-Palms, ferns and decoative piants.
John Burton, Assignee for Robert Craig \& Son, Market and 49 th Sts., Philadelphia, Pa.
Palms, Eto.-Palms and decorative plants.

August Haerens Nurseries, Somergem, Ghent, Belgium. American Agents: August Yow \& Sons, 31 Barclay

Palms, Etc.-Latania Bor., 2-in. pot, seed leaves. \(\$ 3\) per 100; Latania Bor., 3in. pot, \(15-18-1 \mathrm{n} ., 2-3\) chr. ivs., \(\$ 12\) per 100; Latania Bor., 5-in. pot, \(18-20-1 \mathrm{mos}\). 15 . pot, 20-24-in.: 4 chr. 1vs., \(\$ 20\) per 100 . Kentia Bel., \({ }^{2} 1 / 2\)-in. pot, \(6-8\)-in., 2 leaves, \(\$ 10\) per 100; Kentia Bel., \(3-\mathrm{in}\). pot, \(8-10-\) in., 3-4 leaves, \(\$ 12.50\) per 100; Kentia Bel., 4-1n pot, \(12-15-\mathrm{in}\)., \(4-5\) leaves, \(\$ 16\) per 100.
Sherman Nursery Co., Charles City, la.
Pansies-Pansy plants, large flowering, 60 c per \(100, \$ 2.50\) per 1,000 . Per 100 Asp. plumosus nanus, small plants, to close, \$1.75.

Jas. H. 'Cunningham, Delaware, 0.
Pansies-Rooted cuttings.
Ludvig Mosbaek, Onarga, Ill.
Pansies-Pansy plants, the Jennings strain. Large plants in bud and bloom, \(\$ 1\) per 100 ; medium size, \(\$ 3.50\) per 1,000 ; 500 for \(\$ 2\); by mall, 75 c per 100 .
E. B. Jennings, Lock Box 254, Southport, Conn.

Paneles-100,000 pansy plants, \(\$ 10\) per 1,000 . Unrooted cuttings, half price of rooted

Loomis Cation Co., Lock Box 115 Loomis, Cal.

Pelargoniums-Rooted cuttings, 15 varleties, \({ }_{\text {S }}\).

Poonies-Peonles and hardy plants. W. W. Wilmore, Box 382, Denver, Colo.

Petunias-Dbl. Petunfas, rooted cuttings, 10 finest, \(\$ 1.00\) per 100 . Byer Bros., Chambersburg, Pa.

Fetunias-Double fringed petunias Six distinct novelties, labeled, \(\$ 1.25\) per i00; \(\$ 10\) per 1,000 .

Petunias-20 varleties, \(\$ 1.25\) per 100 ; \(\$ 10\) per 1,000 .
S. D. Brant, Clay Center, Kan.

Pinks-5 sorts, 5c, large field grown 7 var., some everblooming, 75 c per 100 \$7 per 1,000

Byer Bros., Chambersburg, Pa.
Poinsettias-Poinsettias, 1 year old, \(\$ 5\) per 100 .

The Gasser Company, Euclid Ave. Cleveland, O.
Poinsettias-Giant fowered poinsettias; limited amount stock plants, 50 C per plant; \$5 per doz.; \(\$ 35\) per 100; 212. in., \$12 per 100; 3-in., \$18 per 100. July and August dellivery for \(21 / 2\) and \(3-1 n\).
plants.

Primulas-Primula chinensis and \(P\) obconica grandiflora in bud and bloom from \(4-1 \mathrm{in}\). pots, \(\$ 7\) per 100.

Pau」 Mader, E. Stroudsburg, Pa.
Rones-Roses, rooted cuttings: Cbatenay, \(\$ 2.50\) per \(100, \$ 20\) per 1,000 ; Uncle John, \(\$ 2.50\) per 100 , \(\$ 20\) per 1,000 ; Brides maid, \(\$ 1.50\) per 100 , \(\$ 12.50\) per 1,000 Bride, \(\$ 1.50\) per 100 , \(\$ 12.50\) per 1,000 Ivory, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 Perle, \(\$ 1.50\) per \(100, \$ 12.50\) per 1.000 Roses, \(21 / 2-1 \mathrm{n}\). pot plants: Pichmond, \(\$ 30\) per 100, \(\$ 250\) per 1,000; Rosalind Or1 Enzlisb, \(\$ 25\) per \(100, \$ 200\) per 1,000 Chatenay, \(\$ 4\) per 100 , \(\$ 30\) per 1,000 , Sun rise, \(\$ 4\) per \(100, \$ 30\) per 1,000; Perle von Godesbers, \(\$ 5\) per \(100, \$ 40\) per 1,000 Liberty, \(\$ 5\) per 100 , \(\$ 45\) per 1,000: La Detroit, \(\$ 6\) per 100, \(\$ 50\) per 1,000; Uncl John, \(\$ 4\) per 100, \(\$ 35\) per 1.000; Kalserin \(\$ 4\) per 100, \(\$ 30\) per 1,000; Bridesmald \(\$ 3\) per 100, \(\$ 25\) per 1,\(000 ;\) Bride, \(\$ 3\) per 100, \(\$ 25\) per 1,\(000 ;\) Ivory, \(\$ 3\) per \(100, \$ 25\) Peter ineinberg. 51 Wabash Ave., Chicago.

Roses-Bedding and forcing roses stock from 3 -in. pots. Bride. Brides maid, Perle, vory, Golden Gate, Etolle Cochet. Bon Silene, etc., \$4 per 100: \(\$ 38\) Cochet. Bon Silene, etc., \(\$ 4\) per 100; \(\$ 38\)
per 1,\(000 ; 2-1 n\). stock, \(\$ 3\) per 100; \(\$ 25\) per 1,000; \(2-1 \mathrm{n}\). stock, \(\$ 3\) per 100;

Roses- 60,000 rose plants grafted on English Manetti, for sale; delivery about April 1 st , in \(2^{1 / 2}-\mathrm{in}\). pots ready to shlft into \(31 / 2\)-in. Bride, \(\$ 10\) per 100 ; Bridesmaid, \(\$ 10\) per 100; La Detroit, \(\$ 12\) per 100; Genl. MacArthur, \(\$ 12\) per 100 ; Lib erty, \(\$ 12\) per 100 ; rooted cuttings ready now per 100: Bride, Bridesmaid, \(\$ 1.50\) Chatenay, \(\$ 1.50\); Liberty, \(\$ 2.50\); Perle, \(\$ 2.50\).
Bassett \& Washburn, 76 Wabash Ave., Chicago.
Roses-Catalogues and price lists wanted from all growers. Public Parks Hartford, Conn.
Roses-400,000 roses. Also in 2 -in. pots. Elizabeth Nursery Co., Elizabeth, N. J.

Roses-Bedding and forcing roses, standard varieties, \(\$ 4\) per 100, \(\$ 38\) per 1.000. Bride, Maid, Ivory, Perle, Etoile de Lyon, Bon Silene, Mrs. Ben Cant, Pink and White Cochet, etc.
The E. G. Hill Co., Richmond, Ind.
Roses-Baby Rambler, everblooming dwarf Crimson Rambler; strong dormant plants, \(\$ 5\) per dozen, \(\$ 35\) per 100; pot plants, \(2 \frac{1}{2}-\) in., March delivery, \(\$ 20\) per Va
aughan's Seed Store, Chicago and New York.

Roses - Rooted cuttings, American Beauty, \(\$ 3\) per 100; \(\$ 25\) per 1,\(000 ;\) Liberty, \(\$ 3\) per \(100, \$ 25.20\) per 1,000 ; Brideserty, \(\$ \$\) per 1.50 per \(100, \$ 1.50\) per 1,000 ; Mride, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 ; Gride, \(\$ 1.50\) per 10 per 100 , \(\$ 12.50\) per 1,000; Ivory, \(\$ 1.50\) per 100, \(\$ 12.50\) per 1,000.

George Reinberg. 51 Wabash Ave., Chicago.
Roses-American Beauty, La France and Bride.
Godfrey Aschmann, 1012 Ontario St. Philadelphia.
Roses-Roses of all kinds. Geo. A. Kuhl, Pekin, Ill.
Roses-Roses for Easter forcing, Crimson Rambler, 2 year, \$2 per 100 \(\$ 15\) per 1,\(000 ; 3\) year, \(\$ 2.50\) per \(100, \$ 18\)
Vaughan's seed Store, Chicago and New York.

Roses - The new rose Wellesley. Delivery in rotation, beginning April 1. own root, \(\$ 25\) per \(100, \$ 55\) per \(250, \$ 100\) 100 ; \(\$ 70\) per 250 , \(\$ 130\) per 500 , \(\$ 260\) per 1,000 .

Waban Rose Conservatories, Natick, Mass. John N. May, Summlt, N. J.
Roses- 60,000 grafted roses for forcing. Delivery April, May, June, Liberty, rose pots, \(\$ 2\) per \(100 ; 31 / 2-\ln\). pots, \(\$ 18\) per 100; Brides, Bridesmaids, Golden Gate, Kalserin rose pots, \(\$ 10\) per 100; \(31 / 2\)-in. pots, \(\$ 15\) per 100 .
J. L. Dillon, Bloomsburg, Pa.

Rudbeckia - Extra choice, large clumps, \$5 per 100 . Niles Center, Ill.

SaIvias-Salvia splendens and Jean Revenal, rooted cuttings, 75 c per \(100, \$ 6\) per 1.000 .

Frank A. Pierson, Cromwell, Conn
Saívias-Salvia, two best, Lord Fauntleroy (dwarf), Bonfire (tall). \$I per 100, \(\$ 8\) per 1,000 .
he W. T. Buckley Co., Springfield, Il
Salvias-Rooted cuttings and plants. Ludvig Mosbaek, Onarga, 111.
Salvias-6 varieties, \(\$ 1\) per \(100, \$ 8\) per 1,000.
S. D. Brant, Clay Center, Kan.

Swainsona-Swainsona Alba, rooted Stings, 75 c per 100

Byer Bros., Chambersburg, Pa.
Tradescantia-Tradescantia rooted Byer Bros., Chambersburg, Pa.
Verbenas- 500,000 Verbenas, 60 varlehes, perfectly healthy. Prize rooted cutings, 60 c per 100 , \(\$ 5\) per 1,000 ; plants J. L. Dillon, Eloomsburg, Pa.

Verbenas-Rooted cuttings, 30 varleties, 60 c per 100.
S. D. Brant, Clay Center, Kan.

Verbenas-Rooted cuttings, 75 c per 100. Byer Bros., Chambersburg, Pa.

Vinca-Vinca variegata, \(3-\mathrm{in}\). pots, 5 per 100

Frank A. Pierson, Cromwell, Conn.
Vinca- 5,000 vincas, rooted cuttings,
75 c per 100; \(\$ 6\) per 1,000. Cash.
J. J. Lampert, Xenia, 0.

Violets-Rooted cuttings.
Eli Cross, Grand Rapids, Mich.
Vaughan \& Sperry, 58-60 Wabash Ave., Chicago

\section*{NURSERY STOCK.}

Bay Trees-1905 spring dellvery. August Haerens Nurseries, Somergem, Ghent, Belgium. American agents
August Rolker \& Sons, 31 Barclay St., New York.
Grounds-"Beautlful Grounds," an ilLustrated manual contalning suggestions on lawn making, planting and care of shrubs and trees. Landscape plans, opographical sursery, 503

Peterson Nursery, 503 W . Peterson
Lilacs-Lilacs a specialty
Jacs. Smits, Ltd., Naarden, Holland.
Magnolias-Largest growers of Magnolia grandifiora in the south; over 200, 000 plants on hand.

Joseph W. Vestal \& Son, Little Rock, Ark.
Nursery Stock - Ornamental trees, shrubs and herbaceous perennials, etc. Bay State Nurseries, N. Abington, Mass.
Nursery Stock-Philadelphia Rambler, field plants. 2 to 3 ft ., \(\$ 2\) per doz.: \(\$ 15\) field plants. \({ }^{2}\) to \({ }^{3}{ }^{3} \mathrm{ft}\). , \(\$ 2\) per doz. 3 to 4 ft ., \(\$ 3\) per doz.; \(\$ 20\) per per 100, 3 to 4 ft ,, \(\$ 3\) per doz.; \(\$ 20\) per

The Conard \& Jones Co., West Grove,
Nursery Stock-Ornamental trees, shrubs, vines. and roses. Clematis paniculata, Ampelopsis Veitchi, fruit trees and berries. Ramblers, hybrids, etc.
Nursery Stock-Headquarters for hardy perennials; 12 acres conifers; 3 acres rhododendrons; 2 acres hydrangeas.

Tottenham Nurseries (Ltd.), Dedemsvaart, Holland.
Nursery Stock-Trees, shrubs, vines, small fruits.

The Wm. H. Mloon Co., Morrisville, Pa.
Nursery Stock-Frult trees, small fruits, ornamental trees, evergreens and shrubs, shade trees, hardy roses, hardy plants, climbers, etc. Catalogue free.

Nursery Stock-Wholesale growers of nursery stock Catalogue free.
W. Van Kleef \& Sons, Boskoop, Holland.

Pæonias-Pæonias. Festiva maxima \(\$ 35\) per 100; Queen Victorla, \(\$ 9\) per 100 ; Fragrans, \(\$ 6\) per 100.

Gilbert H. Wild, Sarcoxie, Mo.
Privet-California privet, I, 2 and 3 years; also good cuttings. Any reasonable offer in lots of 5,000 to carload accepted.

Privet-California privet cheap, 100, 000 plants, 3 to 4 -ft., \(\$ 4\) per 100 . \(\$ 25\) per 1,\(000 ; 21 / 2\) to \(31 / 2-\mathrm{ft}, \$ 2.50\) per \(100, \$ 17.50\) per \(1,000: 20\) to \(30-1 \mathrm{ln}\)., \(\$ 2\) per \(100, \$ 13\) per 1,\(000 ; 18\) to 24 -in., 2 years, \(\$ 1.50\) per 100 , \(\$ 7\) per 1,000 . Boxed f. o. b. here. For car or large lots, write before placing orders.
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Pipes, Iron Fittings, Etc.-Galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized turn buckles and wire. Fittings for Purlin and ridge supports. \({ }_{\text {Foley }}\) Mifg. Co., 471 W .22 d St., Chicago.
Pipes and Iron Fittings-S. Jacobs \& N. Y.

Steam Traps-Steam traps save coal. Return steam trap, used by up-to-date greenhouse men, returns condensed greenhouse men, returns condensed house. Have been in use over 30 years. insures an even temperature.

Alhany Steam Trap Co., Albany, N. Y.
Steam Traps-The Standard return steam trap has no equal for simplicity of working
E. Hippard, Youngstown, Ohio.

Steam Traps-Morehead traps insure free circulatlon in colls. Save fuel.

American Blower Co., Detroft, Mich.
Ventilating Apparatus-Send
prices Jacobs \& Sons, 1365-1373 Flushing
Ave., Brooklyn, N. Y.
Veatilators-We furnish high grade ventilating apparatus, raising the sashes in greenliouses and other buildings.
Lord \& Burnham Co., 1133 BroadWay, New York. General office and works, 1 rvington-on-Hudson, N. Y.

Ventilators-The New Departure ventllatling appliance, cheapest and best If you doubt, try it and be convinced.
J. D. Carmody, Evansville, Ind.

Ventliating Apparatus-Metropolitan Materlal Co., 13y8-1408 Metropolitan Ave, Brooklyn, N. Y.

Ventilating Apparatus-Send for circulars

Diller. Caskey \& Co., cor. 6th and Berk Sts., Philadelphta, Pa.
Ventilators-Evans' improved Challenge ventilating apparatus.

Quaker City Machine Works, Richmond, Ind.
Ventilators-The Standard ventilating machinery; original machine with self oiling cups; most powerful, least com plicated, very compact.

Ventilators-Foley ventilating appar\({ }^{\text {atus. }}\) Foley Mfg. Co., 471 W . 22d St., Chicago.
ventilators-Hand ventilators, etc.
The King Construction Co., N. Tonawanda, N. Y.

\section*{Albany, N. Y.}

The republican organization of Albany county on the evening of February 15 gave its annual banquet in Odd Fellows' holl. The floral decorations by Eyres were fine and comprised a mass of plants on a stage, wall decorations, and flowering plants on the banquet tables. Massed on the stage was a group of azaleas around which were tall kentias, araucarias and Boston ferns. The walls and balcony of the banquet hall were decorated with southern smilax and vincas. Each of the 430 guests present received a red carnation.

An attachment has been served on H. L. Menand of William street, who for a year past has conducter a wholesale florists' supply housc here. The attachment was served to protact the interests of certain creclitors in Utica and other places.
R. D.

\section*{The Only Florists' Paper}

American Florist Co.:-I would like to take up the renewal of the American Florist, which \(\ln\) previous years has been sent to my lather, George A. Norton, Pittsfield, Mass. Having gone abroad, he requests me to renew the subscription, as he claims the American Florist to be the only forlsts' paper.

George A. Nobton, Jb.

\section*{Cleveland.}

There has been no material change in business the past week. Roses still cantinue scarce and prices range from \(\$ 4\) to \(\$ 10\) per 100 for teas. Carnations are plentiful, \(\$ 4\) per 100 being the top-netch figure for the best. There are practically no American Beauty roses coming in from the local grawers. Bulbous stock is hard te meve at any price. The same tulips which brought \(\$ 4\) per 100 last year are bard to move at half that price this year. The retailers claim there is a dearth of secial functions. A remarkable feature of the whelesale market this year is the fact that it is almest impassible to sell red roses. Last year they sold like hat cakes.
The sympathy of the trade is extended to the family of the late William Bailey, gardener te J. B. PerKins. Mr. Bailey died last week, aged 56 years. The funeral took place at Woodland cemetery, February 20.
The Market Gardencrs' Association held its annual meeting recently and elected the following efficers for the ensuing year: President, C. H. Chester; secretary, L. Fish; treasurer, Thomas Petersen.
The J. M. Gasser Campany is sending in from its Rocky River place some very fine General MacArthur roses. The grower, Henry Murman, deserves credit for the way he is handling the stock.
The Cleveland Floral Company doing a retail business at 272 Euclid avenue, has gome into the hands of a receiver.

Есно.

\section*{Nashville, Tenn.}

St. Valentine's day braught with it the usual demand, principally for violets, which, however, were not an hand in the usual quantities. Last year Joy \& Son sold 25,000, but this year they had less than 1,000 on sale. This scarcity was brought about by the cold Weather which still bolds this section in its grip. The growers here have carried their houses through the prolonged cold spell very successfully, though it is the coldest and most prolonged severe spell We have had in this section for many years, and coal supplies have melted away with astonishing rapidity. In spite of this the supply of flowers has been sufficient to meet all demands.
Joy \& Son are unusually successful in violet culture. They da not cultivate them in their heated greenhouses but grow them in cold frames or shallow pits in the open. The riolets were coming on fine with a promising crep in sight but the zero weather froze dewn the cases and the snow covered them so the supply has been short. The firm recently purchaser a valuable piece of property aljoining the store on the corner of Church street and Sixth avenue.
M. C. Dorris.

\section*{Lincoln, Net.}

Businuss is first class, all classes and grades of stork heing usect. A large amount comes in each morning, consiler ing the cold weather. What little sunshine there has beren conld not penetrate the snow and ion which covered the honses for ten days at one time during the. first part of this month. Stock in ceneral is looking grod and prospects are bright for spring trade.

\section*{GREAT BRITISH SUCCESS CAMPBEL'S PATEHT SULPHUR VAPORISER.}


An apparatus whloh safely vaporlses sulphur in greenhouses to cure Mildew and Disease attacks on Roses, Vines, Tomatoes, Chrysanthemums, Cucumbers, strawberries, Etc. Also kills that dreaded pes Red Spider.

\section*{Hundreds of Unsolicited Testimonials.}

Royal Irlsh Nurseries, Newtownards, Co. Dawn,
Please send us another of your Patent Sulphu Vaporisers, and much oblige. We are very pleased with results obtalned from that sent

Alex. Dickson \& Sons, Ltd.
The Nurseries, Exmauth, Devon, October 17, 1903.
1 have given your Patent Sulphur Vaporisers a thorough trial, and am more than pleased with the result. Generally, before housing my Sbow Chrysanthemum Plants each one is laid on its side and well syringed with some kind of Fungicide, with the Idea of destroying any Mildew or other disease. This is a tiresome and expensive item where several thousands Fplants have to be so treated. With your sulphur ising ter house every spot or aymptom ou diderpordisappeared. One rariety was badly infected, and after the treatment mentioned bady infected, and to note the gradual disappearance of the Mildew. The expanding blooms were in no way injured by the sulphur, and I consider the Vaporisers have already paid their cost. W. J. GodFrex, Chrysanthemum Specialist.
The Gardeners' Chronicle, page 32, January 14, 1905, states, Vine Mildew: W. Acorrespondent who at our request made trial of Campbell's Patent Vaporiser was thoroughly satisfied with the result, and recommends its use in glass bouses in which Grape ines, Peaches, Cucumbrown. The principle consists and heating the sulphur in a vessel baving a funnelshaped outlet, the tube of which is loosely closed by a pyriform bollow glass ball, which rises or falls according to the pressure of the hot sulphur vapor inside, thus allowing of the passage of the sulphur rapor, but at the same time preventing the entrance of hot air into cylinders where it could set fire to the beated sulphur.
Prices and further particulars fromglmporters:
VAUGHAN'S SEED STORE, 14 Barclay St., New York.
A. T. BODDINGTON, 342 West 14th St., New York.

BLACKIE BROS., 44 Alleu St., Halirax, Nova Scotia, Can.
The American Patent Rights of this apparatus are an sale. For particulars apply

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\section*{The Standard - VENTLLATING MACHINERY}

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Over six milles ln use and highly
recommended by all. The only Drip Prool gutter on the market
The Standard Return Steam Trap
It has no equals for simplicity or its working. Catalogue frea.
E. HIPPARD, Yoanotown, Obile


EVANS' IMPROVED
CHALLENGE VENTILATING APPARATUS
QUAKFR CITY MACHIMF WOAKS.

\section*{King Construction Cor}

NORTH TONAWANDA. N. Y. and TORONTO, ONT.
New Greenhouse Catalogue ready for distribution. Send for it.

> Always
> mention the American Florist when you order stock. \(x\)

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Everythiog in PINE and HEMLOCK BUILDINE LUMBE
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Please mention the Anterican Florist when writing.


If you doubt it try them and be convinced. Send for descriptive price circular.
J. D. Carmody, Evansville, Ind.

SIGIIUND GEIILER, FLORISTS' SUPPLIES and RIBBONS.
108 Went 28th Sireet, Nex్ Yoxixe NOVELTlES always on hand.

\title{
'The American Florist
}


Amarica is "tha Praw of the Hessel; thara may be more camfart Amidships, but we ara the first ta touch Unknoun Seaz,

\section*{THE \(A\) AMERICAN FFLORNST}

\section*{Twentieth Year.}

Copyrlght 1005, by American Fiorist Company. Entered as Second-Class Mall Matter.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.
Officers-J. C. Vavaran, Chicago, presideut; J. R. Freeman, Washington, D. C., vice-president; WM. J. Stewart, 11 Hamilton Place, Room II, Boston. Mass., secretary; in. B. BEATTY, Oin at Wasbington, D. C., Angust, 1905.

THE AMERICAN CARNATION SOCIETY.
Annual convention at Boston, 1906. Albert M. Herr, Lancaster, Pa., secretary.

AMERICAN ROSE SOCIETY.
Annual meeting and exbibition, Boston, Mass., March 23 -26, 1905 . Wm. J. Stewart, II Hamiltoh Place, Boston, Nass., secretary.

\section*{AMERICAN PEONY SOCIETY.}

Exhbition at Ghidagualumt June 15. Muturn

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\section*{CHRYSANTHEMUMS}

\section*{Propagating.}

It is now time to eommence propagating the chrysanthemom stock which is intended for exhibition purposes. The first part of the work is to give the stock plants a place where they will get plenty of light and air and a night temperature of \(40^{\circ}\) to \(45^{\circ}\) to assist them to throw up healthy, short-jointed cuttings. loor propagating, select a bench which is partially shaded so that the sun cannot shine directly on the cuttings and where a temperature of \(50^{\circ}\) to \(54^{\circ}\) can be maintained. using a clean, sharp sand. The cuttings require frequent waterings and sprayings to prevent them wilting. This being attended to, they will root readily in sixteen to twenty days. As soon as they are rooted, pot them ap into \(21 / 2\)-inch pots, never allowing the euttings to remain long evough in the sand so that the roots berome long aud wiry, a condition which will quickly treaken the young plant

A very important point to bear in mind to meet with suecess in growing exhibitiou cut chrysanthemums is never to allow the young plants to get weakened by any check in their growth. The watchword is, keep pushing them at all times. When potting them use a live, fresh soil to make active growth, but which does not eontain manure, because this will cause the wool to become soft and sappy, follomed by a long-jointed spindy jlant. This early propagating refers puncipally to the English and Australian varieties which require this long season of growth to bring them to perfertion, but not so with most of our American sorts, which are better for not being fropagated for a month or so yet. It is also importavt to figure a jittle on the date the chrysanthemm shows are likely to he held, beeanse many of these importal monsters are inclined to be carly, and at their best the latter purt of October. While most of them krep well enoush as regards frashness. it tho shuw is not helf before the mildie of Novmber some of them will have lost a great deal of their luster and the petals lrawu close into the stem, which will tell against them whelt put up against later blooming arieties with a fresher appearance.
In sclecting the varieties for exhihi
tion it is best to class them under two different heads. The first can be for those which are shown singly in small vases as collections, together with the six's of one variety. To cover this field we can take the following as a good selection:

Ben Well Timothy Eaton Merza
Giy Hamilon Emily Milehan Mrs. D. V. West Beatrice May Hero of Mafeking Nellie Pockett Mrs. Swinbura
Mlle. Jeaune Nuni
yELLLOT
Urs. Thirkel]
Vrs, T. V. Portett Thus. Humphres
Mrs. T. W. Porkett Menry Barne Col \(\square\) Appleto Fol. D. Anpleton Mrs. W. Duckham Mrs. If. Du Alliance Myteline Cbeltonl

BRONZE
Quo Vadis Henry Secoud J. 11. Silsbury J. 11. Doyle Donald NicLeod Mildred Ware Harrison Dick

In the class calling for dozen, twenty five or over, ot one kind, many of our most mseful wommereial varieties eome into play. They are not as large as some of the importations, hat when put up in a bunch they have many goom points which toll in thrit faror in any competition. Thesp lists are good in any company for thet lupose stated, some of whieh we are not acquainteal With regariling theis growth, knowinu them only from observation. Thr Frencl noveltias now heing kistributme for the first time in this country "ond tain some womrlors as tu size and finish and shoulel not bro overlmokial in makin! mp Your list. "Th" fullowing is a choll list for the lior visus:

White: disw Pyran; Ma.justiv: Mrs Nathan Smith; Mrs. Jerome Jones: Mrs. Molly limbinvin! Jrs. EI. W. Puckime: US. Il. ('binlwink: Timontly Ciaton: Mlla. Jtanne Nomin. Jellow: Yellow baton; (: J. Salter; Peres Phumriluc; Sollow Jones; Cheltoni;
 (iollen Clatwich. l'me: Wm. Duck ham; Vivian Murdl: Mllle. Marie Liger; Mrs. Parclay; Is. Fugnomind. Bronze: Qno Vadis; llarrism Tink. Red: Violet

Lady Beaumont; Matchless; Thos. Humphreys; Miss R. Hunt. Other celors: Mr. 'T. Carrington; Chas. Longley. C. W. Johrson.

\section*{Marquis de Pins' Seedlings.}

In the Americay Florist of December 12, 1903, and again in the issue of February 13, 1904, I made some reference to the appearance of a new raiser of chrysanthemm seedlings, the Marquis de Pins. The blooms which I saw at the Paris chrysanthemum show in November, 1903, were beyond all question a most remarkable lot, and that they were highly thought of by the jury and the floral committee appointer for the purpose of making the awards, is evidenced by the reports of that show, both in the French horticnltural press and also in the Journal of the National Horticnltural Society of France.
Knowing that several of our English importers of nocelties are keenly alert to the necessity of introducing all the most promising novelties that appear, it was only reasonable to suppose that in the following antumn we should have the opportunity of sceing some of these French novelties at our annual trade shows. I also ventured to express the opinion that, subject to vagaries of climate, if these novelties were introduced into America there would be agreeable surprises in store for those who first undertook the culture of them there. From the wide experience I have had in chrysanthemum matters, this was a justifiable conclusion to arrive at, for after more than twenty years intimate acquaintance with the ever pepular autumn flower, I have seen more than one grower rise into eminence by reason of a new departure in the art of chrys anthemum raising-and seeing is believing.

My American confreres in this all alsorbing delight of chrysanthemum culture, will no donbt share with me the feelings of mingled disappointment and astonishment when I say that during the conrse of my autumnal visits to our trade growers last scason, the new seedlings upon which my hopes depended were characterized by a curious and unaccountable appearance of mediocrity. No one in the immediate vicinity of our great metropolis hat succeeded in obtaining anything like the result that I had seen the previous year in France. Some blamed the raiser, some hlamed the distributer, some blamed the plants, and most of the importers blamed me.

Now, the utter alsurdity of this scems apparent when we read both in the French papers and frem private correspundence what has again taken place at the last Paris show, ant it "an only he assumed that the indifforme results obtained by onr growers in the south of England are to be attributed rither to climatic difforences or else to the high culture aropted by them in a genral way. I specially say the south of England leccanse oue grower who had the Mrarquis de Pius seedlings, and who lives as far north as Manchester, took the opportunity of intromining himself to me at the Crystal falace show in becember last and spoke most highly of threse new Frunch seedlings, which he had himsolf irown, ind with evident satisfaction to himsilf.
I has not been able to ascertain from the Ambran Flomet whether these
varieties have yet found a place in the American collections, or, if so, how they have behaved. Coming, as they do, from a warm sonthern climate where the air is dryer than here in London, grown probably without the aid of strong chemical manures systematically administered, they may as a distinct race and under such conditions do infinitely better at Toulouse than they have done here. And yet this would not account for their apparent snccess in the neighborhood of Manchester.
Seeing but little reference to them in the American Florist, I have natnrally been on the qui rive to see how the later seedlings have hehaved in France. My desire to go again to Paris was not accomplished for several reasons, and consequently I have haf to rely upon documentary evidence insteat


The Late Farquhar Macrae. ( Wee obituary, pare 83.)
of seeing them myself. What is the result? If French growers were able to give acconnts of them that were in accordance with my own views when I first saw them, it is only reasonalile to suppose that they could do so the following year.
"A. M.," in Le Jarilin, whose initials are well known as those of a capa He and experienced critic on all that concerns floricultnre, speaking of the Marquis de Pins seedlings at the Novem'rer, 1904, show in Paris, s:ys, "The new and brilliant success obtained by the fortunate secdling raiser at the last Paris exhibition in 1904 confirms the hopes that this new race had aroused in the mints of chrysanthemmm lovers. .. . . The floral committee testified its appreciation for this tine collection by awarding to it seveutoen certificates, the larcost number ohtained by any of the varions raisers present.;
MI. C. Clement, a well-known Parisian chrysanthemmm grower, speaking of the uncertainty of prophesying about nov elties as they appear year by year, in
the same journal says the Marquis de Pins has maintained his supremacy with his new seedlings and mentions the names of those he particularly noted, viz., Souvenir de Cologne, Ginette Solange, Sourenir de Bailleul, Samatanaise, Zacharie Bacqué, Bois de Boulogne, Comtesse de Potiche, Mme. Magne, Sonrenir de 1903, and M. Sintilles.

In the Journal of the National Horticultural Society of France, for November, 1904, page 662, we find a list of exhibitors, with the names of the varieties that received certificates awarded by the floral committee. Here the Mar quis de Pins heads the list with 17 certificates; Calvat follows with 15; Nonin with 7; de Reydeller, 6; Héraud, 6; Dolbois, 5; Caveon, 2; and various other growers one certificate each. These are facts beyond dispute, and it does seem to be a most extraordinary thing that novelties oceupying such a high position in Paris should, when cul tivated by English specialists, and nuder English methods, turn out to be flowers far below our ordinary standard of merit.

This has largely increased my curi osity to know if the Marquis de Pins secdlings are yet grown in the United States and in what way they have behaved in the hands of American growers. By way of conclusion I will only observe that I have had photographs of these most recent novelties submitted to me, and so far as one can judge from such material, they are large, solid, compact looking blooms such as we saw in Paris the year before. The names of these 1904 varieties are Zacharie Bacqué, Mme. Delarbre, La Samatan aise, Souvenir de 1903, Comtesse de Potiche, Souvenir do Bailleul, Ginette, Souvenir de Cologne, Etoile de Mont Crun, Solange, Marie Bacqué, Marthe Lesueur, M. Sintilles, Marquise de Pierre, Mme. Arthur, Joustton, Bois de Boulogne, and Mme. Magne.

One word in conclusion. Most of the novelties shown by other raisers at the Paris show of 1903 , and which I selected as being worthy of onr growers' attention, have quite fulfilled the expectations that were formed of them, hence the mysterious behavior of the Marquis de Pins 1903 novelties is difficult to explain. Will some Ancrican reader help me with a few notes as to their value in the states, if they have yet been introduced there?

\section*{Cattleya Trianæ Alba.}

The illustration lepicts a pure white form of Cattley Triane now in flower in the collection of Dr. R. Schiffmann, St. Paul, Minn. While there are many almost white forms, and therefore often labelled white, yet the true test is exposure of the flower to full sun which will soon bring out any trace of color the flower may possess. Some years ago when on a collecting expedition in Veneznela, a plant in flower was hrought to Dr. Schiffmann one evening, apparently a bontifni white Cattleya Gaskelliana. The plant had three flowcrs. Fortunately he had to ask for delay in payment at a high price until the next day when he could draw on a letter of erelit. The flower spike was cut and placed in water. By a fortunate circumstance the doctor was delayed in getting money until after noon ly which time the flower which meanwhile had been exposel to the
sum had lost all traces of white and the price of the plant dropped in value proportionately. Moral: When purchas ing a pure white eattleva don't pay for it until youl lave put it to the test.

While all Cattlesa Triana are beanti ful, the majority that lave come under Dr. Schiffmanu's observation have

\section*{PALMS AND FERNS.}

\section*{Watering, Ventilating and Shading.}

Webruary is usualis a cold and stormy month, and plant hoises require a great leal of fire heat at night, which natu-


CATTLEYA TRIANE ALBA IN FLOWER JANUARY, 1905.

smaller flowers than the ordinary type. This plant, however, bears large flowers and of fine form, absolutely snow white excepting a little diffused yellow in the throat. The plant, originally a large piece, was procured in Colombia and flowered three years ago when it was divided into five pieces of five to seven bulbs each. Two of these have now flowered and full exposure to the light and sun has proved them constant. The flower measures seven inches across, the petals are \(0,1,2\) inches wile \(1, y\), \(31 / 2\) inches long, the lip is one and three quarter iuches wide. It is hardly necessary to add that he consilers these among the gems of his collection.

The accompanying illustrations show the plants described, also a house of Phalanopsis amabilis of which he has now over forty plants in flower.

\section*{Diseased Roses.}

Ed. Am. Florist:-Enelosed please find a rose plant from one of onr houses. We would be greatly obliged to you to tell us the canse of stems turning black. Our roses in general are looking well, but here and thero are plants affected by this disease. At times they partly recover lout it is a mere flicker of life. while next to affected plant may be one in robast health.
M. R. \& ' ' O .

The phant hand apparently heen mut of the bed for some time and was really ton Ary for a careful miarospopin examination. However, in all the backenod regions of the stem a fungus was found. but as it was in a sterile comlition its inentity could not lie determined. It is quite probable, however, that this may bo parasitic and the cause of the tronble. It would probably be adtrisable for the grower to pull out and burn the diseased plants. A.F. W.
rally dries out the plants very frequently and necessitates thorough watering and syringing on every bright rlay. At this season, and in fact throughout all the period of heavy firing, it is a good practice to sprinkle the walks and under the benches in the early morning, before the regular
time for watering. This moistens the atmon phe and refreshes the plants to some "xtent after the baking process t" which the air has been submitted during the night in the effort to keep Wh: an arn temperature of \(60^{\circ}\) or more, while the ontinor mereury was way nown in the tnlo.

The experienced plantsman seems to he il sort of hygrometer, for such a man fere the neeessity for moisture in a blant house oul a winter morning, and Whil" he may not be able to tell som the absolute fercentage of moisture in the air, vet he is fully aware that the atmosphere is too dry for the best health of the plants under his care, ant he at once proceds to correct the existing conditions with hose or water pot.

The bust plant growers are perhaps born, not made, and yet any intelligent man may progress a long way in that ditertion after soveral vears of expericure and the careful use of his powers of olservation.
but to return to the plants, rather than io the plant growers, it will he foum that the sun is rapidly gaining in streagth, and in consequence less firp will bo needed during the day in bright weather, and also more ventilation than was called for in Jannary. In most cases, however, it will not be founs necessary to open the ventilators in the palm or fern houses before ten o'clock in the morning moss the month should prove to be annsually mild, and they should be closed again by half past three in the afternoon, or earlier if the sky becomes overcast. Fresh air is undoubtedly beneficial to all plants, but still there are many of them that feel the effect of colf dranghts, and this prineiple should always be kept in mind When rentilating the houses during the winter months. It is not necessary that the water useit for watering this class ot plants shouln be actually warm, but it is recinemy lietter it one can temper


CATTLEYA TRIAN压 ALBA

the water just a littla at this time of year, so thal it may reach \(60^{\circ}\) or thereabonls, fin the strent supply upon which many of us have to depend will sometimés gn as low as \(38^{\circ}\) huring the winfor months, and water of this temperature is smewhat of a pheck to the growth of tember plants, beswles being bery unconfortable to the man behind the hose.


John T. Temple,

The commereial patms for not inclurle mamy very tender obrs, but one that may be affected by extremely cold water is hivistona rolumdifolia, the young latios of which are very likely to herome aripled from this canse, the injury sometimus extenaling to the rotfing out of the heare of the pant. Nor do 1 think that Cocos Wedtlelliana is fonditul hy watering with this iey water, lhomin the injury may not be so soon apparent as in the case of the livistoma. (aryota urens is also somewhat frmber about the roots, uspecially during the dormant proinl, and neither likes bory cold nor axenssibe watering at this sumsom, for this palan wees not sart away to any great pxant heform the mindie of Minch in 1 lue first of April. This lattre palm is one that gromimalos quila quibly from fresh swal, though the semed dues bot rome in until tho cirrly summme :mil it also hats the fowntianty of pushang the smed out
 samm mammer ats that of livistonat cha-




('ouros sumer is atso bergiming to apl":ar in the naratra in this tima, lont





 |ransil malose it bu w- "amelnlly pankul, su that many iomspration





'The antantas of mang shallow pors
or phans for these seets in order to turn the stiff tap roots of the seedlings and thus make them more convenient subjects for potting, has been noted in these columns betore, and also the faet that some growers have sowu the seeds singly in small pots with a view to saving the roots from loreakage, the broken roots being the chicf cause of the seedlings rotting off after the first potting. But, whatever be the method adopted for sowing the seeds, the seed pots shoult be plated in a warm portion of the greenhouse and kept moist, the seeds being covereal to a deptlo of about one inch with light soil, pure peat answering very well for this purnose.

The regular spring potting is still a matter for future consilleration in the palm house, for mrowth is not so very active yet, thomgh on turning a strong and healthy pant of arcea or latania out of its poot, the fresh growing tips on many of the roots may be seen, show ing that the stronger sunlight is beginning to rexert same influence on the phants, amd that it will not he very long before more top growth will be visible. In the meantime there may be some lots of stork, kontias prossibly, that were potted in the fall and would be herped along by the removal of some of the surface soil and a topulressing of fresh compost, this applying to such plants as alw not in need of another shift this spring. Such an operation is mut only benelicial to the plants, but also gets that much more work out of the way hofore the spring rush.

It is mot umsual to find quite carly an formary that the sun's rays have befn so foenssed throngh the mediom of a defeetive pane of glass as to prodace an moightly burn on the foliage of some of the palms, ant while this trouhie may ler aroiled to some extent by hunting for the blistered glass and then givine it a dah of paint, yet it will soon le neelful to apply a slight shade for the west side of the palm houses, reen thongh this shading may have to be renewed two or three times on aceount of the frost and snow that so som loosens and removes it.
IV. II. Taplin.


PHALANOPSIS AMABILIS IN FLOWER JANUARY, 1905.

the florists' clubs and every gardener and florist in the United States to assist President Vaughan and his council in promoting the welfare of the gramil S. A. F.

\section*{J. T. Temple.}
[For twenty years Mr. Tomple has been one of the most modest lookers or in S. A. F. affairs, vet no member his ing is a more critical observer or has a broader knowledge of the souiety's affairs. We may add likewise, that there is no one who has a higher regaral for its welfare.-Ed.]

\section*{MARKET GARDENS.}

\section*{Prices of Indoor Vegetables.}

The prices of indoor vegetables at leading points lebruary 25 were as follows: New York, cucumbers, No. 1 \(\$ 1.25\) to \(\$ 1.75\) per dozen; Ňo. 2, ポ.514 to \(\$ 3.50\) per case; lettuce 50 cents to 7.5 cents per dozen; mushrooms, 25 cents to 60 cents per pound; rallishes, \(\$ 1.50\) to \(\$ 2.50\) per 100 ; tomatoes, 10 cents to 25 cents per yound; rhabarh, \(\$ 2\) to \(\$\) per 100 bunches. Chicago, mushrooms, 15 eents to 40 cents per pound. Kansas City, mushrooms, 35 cents per ponand. Philadelphia, mushrooms, 35 rents to 40 eents per pound. Mimeaprolis, cocumbers, \(\underset{\text { d }}{ }\) per dozen. Muflalı, encumbers, 75 cents to \(\$ 1.50\) per dozen. Pittsburg, cucumbers, \(\$ 1.75\) to \(\$ 2.25\) per dozen. Cleveland, mushrooms, 40 'rints to 50 cents per pound. Detroit, cucumbers, \$1.60 per dozen; letture, ! ceuts to 10 cents per pound. St. Louis, cucumbers, \(\$ 2\) per dozen. Denver, curumbers \(\$ 2.50\) to \({ }^{4} 3\) per dozen. Cincinnati, curmbers, \(\$ 2\) to \(\$ 2.25\) per dozen.

\section*{New York.}
weatiler is milo.
The mild weather of the past few days dinl not hriug the improvement expected in the cut flower market. Conditions if anything are rather worse ou account of the increase in arrivals, and consequent accumulations of left over stock. Roses, which have shown strength for some time, are now drag. ging and clean up badly. Bride and Tridesmaid roses have dropped in price and fine specials move very slowly at maximum quotations. American Beauty hold their own, but the demand for them is freakish. The rose erop is getting heavier, and unless the buying rapidly improves values must be further affected. Carnations are more plentifual than ever, and very few go off at tho 6 cent figure. Enchantress, which has commanded top prices all along, is now down to the level of the ordinary varicties, and is not taken very freely at three cents. There is quite a lot of mignonette on haud, but retailers pass it by even at clean up prices, as they say they cannot sell it. Bulbous stock continues plentiful, but when the choicest of it is taken the other grades movo only when big concessions are made Violets are moving better, and accumulations are no longer a problem; prices, however, aro unchanged. In comparison with the market of a year ago the volnme of business is less, but prices in general are about the same.

Market, March 1.-The market condi. tions remain practically unchanged today.


BANK OF FERNS AND LORRAINE BEGONIAS.

\section*{Notes.}

Fordinand Mangold, well known as the heid gardener of the Gould estate at Lyndmurst, with a service of thirtyeight years, died recently at the age of 77 years, and was buried February 21 in Slecpy llollow Cemetery, Tarrytown, N. Y. Miss IIelen Gould was present at the funeral services held in the Presbyteriau chureh, Irvington, and many flowers were sent by the Gould family. It was under Mr. Mangold's supervision that the large conservatories at Lyndhurst were built. The deceased was born in Germany, came to this country when a young man, and spent most of his life on the Gould estate. the eelebrated his golfen wedding last fall.

Win. Uhlin, for miany years a trusted driver of Julius Rochrs Coupany, a few days ago essayed to stop a runaway team on the road fronting the Rochrs establishment iu Rutherford. IIe slipued as he caught at the runaway's reins, fell on his head and fractured his skull so badly that in spite of the best surgical skill he died within thirtysix hours of the oceurrence. Tho employers of the deceased speak very highly of him as a faithful servant.

Waltor Reimels, who hadles the prodace of his father, Johu Reimels, of Woodlaven, 1. 1., in the New York market, has been coufined to his home over a week as a result of a fall on the icy roads in the vicinity of the greenhouses. He is improving rapidly and will soon resume work. In the meantime Moore,

Hentr \& Nath atre lamalling the parnat tion prodmel.

Josephtaikens had the deporations for a suring dinury last wrek, ind thry of pourse consisted antirely of spring flow ers. A latge fat centar piece was filles with over flirty different varieties, bulbous stock premomimating. A large open firpulace in the dining room was lanked entirmy with tulips. The effert of the whole was to prescnt a pieture of spring.

A petition in bankruptey has been filed agranst Nigmumd Geller, ot 108 W 'twouty-eighth street, dealer in amil importer of florists' supplips. July Molt of the ITaited States district court has appointed Gen. S. Kebahian repenmer of the assets, under a bond of \(\$ 1,500\). Mr. Geller has heen in husinves sepen years.
The flarists bowling chnl hal its weekly mopting on Monlay in the eveuing as herstotura, tha afternom aramorement mot juxamen satinfantory th a majority of the bowlors. The inh will mert the Hoboknel florists in :mother mateh gamm on saturlay, Marel 4.
C. W. Bherman, of Castle Corner, N . Y., for some timb in eharge of the plant, semd, and flowpa department of
 ment store, has surved his conmection with that conurn, and will soon start fur himself in the florist busimess.

Wm. Elliost. \& Sulus will start the anction seasen early in March. It is rumored that amother mew anction firm
is making preparations to begin busi ness next month, so this particnlar branch of the bnsiness bids fair to assume lively proportions.

Early last Saturday morning thieves took about two ran loads of palms and rubbers from the greenhouses of August Schrader at Elmhurst, and the same morning Charles Lustgarten was robbed of two dozen boxes of bulbous stock
N. Lecakes, of Lecakes \& Company, started two weeks ago for Athens, Greece and is not expected to return until May. In his absence John A. Foley will leok after his interests.

Alex. J. Guttman showed Victory car nation at the Bnffalo Florists' Club last week, and was awarded a certificate of merit.

John Gunther is holding his own in the attack of typhoid fever from whieh he is suffering.
oseph S. Fenrich is reeciving large daily shipments of fine white sweet peas.

\section*{Chicago.}

\section*{the market}

The weather has moderated consider ably the past week and stock of all kinds is coming in more plentifully. Local retail trade has a better tone and wholesale trade was generally good. Shipping trade has been very satisfactory the demand keeping well up with the supply. One leading house states that the month of February just passed eclipsed any month of the present win ter in point of sales and sale values. American Beauty roses continue to be the only real scareity in the local mar. ket, but the conditions promise to improve in a few weeks as a number of the larger growers are abont due with heavy spring cuts. Teas are keeping to good form in both quality and supply and the demand has been heavy enough, generally speaking to keep the daily reccipts moving along. There is not much change in the earnation market. Red and faney white continue short and the standard varieties find litthe diflieulty in moving. Bulbous stock bas beld a fairly good sale owing, in a measure, to the searcity of American Beauty and the better carnations. Smilax and greens have been selling well.

\section*{NOTES.}

A bill is before the state legislature to provide an appropriation of \(\$ 30,000\) to be expended in the interests of the "'home beautiful," in the way of making experiments and disseminating knowledge as to best methods of growing plants and flowers, protecting them from insects, fungons diseases, etc., and also information as to the improvement of the home grounds of the state. The experiments are to be made at the agricultural experiment station of the University of Illinois, and an advisory eom mittee of five from the State llorists, Association is to belp. Arrangements have leeen made to sent a delegation of local florists to Springfielt to aid in securing the pissage of the measure. A eommitter of the Florists' Cuble, con sisting of W. N. liudd, James Hartshorne, P. J. Foley and Leonard Kill, weut to Springfield Tuosday even 1112, Febmary 28, to meet the house commattre having the bill in charge.

Ou the pveniug of Siaturday, February 25 , at the office of the RentheyCoatsworth Company, preliminary steps
were taken by the local florists toward organizing a state florists' association, to be known as the Illinois State Florists' Association. W. N. Rudd acted as chairman of the meeting and Prof. H. Hasselbring, of the University of Chicago, as temporary secretary. A committee was appointed to secure a charter and to draft a constitution and set of by-laws.

Among the best Lawson earnations seen in the local market are those now being eut by J. A. Budlong. Bride and Bridesmaid roses of superior color, stem and head are also now in good crop.

George Weldon, familiarly known as 'Darby,'' and who for the past twenty years has been well known in the local market, is confined to the connty hospital suffering from pneumonia.
L. Baumann \& Company report spring trade in florists' supplies opening most auspiciously. They are offering several meritorious novelties.
There is some flurry about sonthern smilax, but it seems there is still a good supply of high grade material on hand.

The Benthey-Coatsworth Company take considerable and just pride in the Bridesmaid roses they are now eutting.

George Reinberg's general run of roses and carnations is of splendid spring quality

Bassett \& Washburn report a steadily inereasing demand for rose plants and cuttings.

Kennicott's report a good shipping demand.

Visitors this week were J. L. Graver, of Shotwell \& Graver, Fargo, N. D., and Charles P. Mueller, of Wiehita, Kan.; A. II. Stolper, successor to Richard Alston, of Winnipeg.

\section*{Philadelphia.}

MARKET SHOWS IMPROVEMENT.
There was quite an improvement over the previous week and the season from now on until Lent sets in should be gay enough to give all hands plenty to do. Stock is becoming more plentiful as the sunny days increase. American Beauty roses, bowever, continue searce and maintain their price of \(\$ 7.50\) per dozen for the specials, while at the Flower Market they get \(\$ 9\) per for a choice dozen or two. Bride are in good demand at 12 to 15 cents while for a few of the largest 20 eents is asked. Carnations are of good quality with prices a trifle easier; \(\$ 3\) bnys the best Lawson while Enchantress has dropped a point and the best now sell at \(\$ 5 ; \$ 2\) and \(\$ 3\) buys the quick moving grade, being seconds of above varieties. Violets large, single, sell well at 50 to 60 cents while good doubles do not bring any more. Freesia has sold well this season; \(\$ 3\) seems to be high now. Lilae is a trifle scarcer one or two of the rrowers being cut out. Priees are about the same. Gardenias although in fairly good demand are away down, \(\$ 1.50\) per dozen being now the price. There has been great improvement in the quality of the stock this season and about three times as many lave been handled up to the present time as any previous year and at prices better if anything. Several growers say thoy believe they can get them in from two weeks to a month earlier next season. It would be a pity to see the price of this flower deteriorate as it would soon lose easte with the class that think so much of it now.

\section*{NOTES}

We are glad to see that the essay committee is to have a rose night at the Nareh meeting of the Florists ' Club The carnation night at the last gather ing was most enjoyable and instructive and all the members will look forward for another if not even a more interesting display. All the new ones should be there as this is a great rose center and things with merit are quickly appreciated.
W. K. Harris has been on the sick nst the past week, having had a severe attack of grip. At this writing he is a trifle better but still a very sick man

Edwin Lonsdale is now on the mend after a second operation and hopes soon to be about.

The Pennsylvania Horticultural Soci ety held ats last monthly meeting in the afternoon and quite a few members wer disappointed as they eame in the even ing and found the doors elosed. They will read their cards eloser next time

At the market they are doing quite a business in American Beauty roses Some of their specials have been bring ing \(\$ 9\) per dozen the past week. They are also handling some choice single violets.

The Leo Niessen Company is hand ling some extra choice Liberty roses They have some large orders for Wash ington for this week

The Philadelphia
Wholesale Cut Flower Company reports a elean-up nearly every day now.

\section*{Springfield, Ill.}

LEGISLATION DESIGNED TO AID FLORTculture.

Florists and market gardeners throughout the United States will be interested in a bill which was intro duced in the Jllinois house of represen tatives at Springfield, February 22, proposing a radieal departure from prece dent by the Illinois experiment station in recognition of the mportance of the industry of growing flowers and vegetables under glass, and of the decora tion of home grounds.

This bill would bave the state take official cognizance of the valne of florieulture, both in greenhouses and in outdoor gardens. It seeks to appropriate \(\$ 20,000\) for 1905 and \(\$ 10,000\) for 1906 to be used by the agricultural experi ment station of the University of Illi nois at Champaign to investigato improved methods of produeing flowers and vegetables under glass; to discover the most economical methods of con structing greenhonses and the best methods of heating them; to ascertain the enltural, soil and fertilizer require ments of greenhouse-grown flowers and vegetables and the best methods of protecting them from fungous diseases and insects; to ascertain and demonstrato the best methods of growing ormamental plants for home decoration in the vari ous sections and on different soils of the state and to collect and disseminate information regarding the improvement of home grounds.

The \(\$ 30,000\) is to be expended in investigations conducted on lines laid out loy the director of the state experiment station and an advisory commit tee of five members appointed by tha florists' association of Illinois. The bill was introduced by Representative Den nis E. Gibbons, of Deerfield, Ill., but
came from Alderman Peter Reinberg of
Chicago, the well known grower.
- To pass this bill a determined effort on the part of the florists of Chicago and other Illinois centers will be necessary as the members of the legislature are not appreciative of the value of flowers. In fact the opening day of the legislature, once a source of large profits to the florists of Springfield, and a scene of beauty with the desks of members huried in bloom, has become a very tame affair from a florist's standpoint, few bouquets being sent to members by their friends and those few being of poor quality. The members from Chicago are guided in vating on bills affecting the agricultural college by the opinions of their rural brothers, and the country members think the agricultural experiment station exists to experiment in growing potatoes, corn, wheat, etc., not flowers.
Here is an opportunity for the florists and gardeners of the state to begin the work of educating the public in a manner that will produce big results. The sermons on the value of gardening that have been preached to trade assemblies would make an impression on the members of the legislature. The papers read at the couference of horticulturists in St. Louis, if presented before the cammittees of the house and senate by men whose uames are well known in the horticultural world, could not fail to win over legislative supporters to the cause, and if they did not make the bill pass this session, they would at least produce a great and most beneficial effect. Tho newspapers would give wide publicity to the crusade and the way would be paved to give floriculture such recognition as is now accorded agriculture and to teach the people that the cultivation of plants for adornment is important equally with the cultivation of plants for food.

\section*{TEXT OF THE BILL.}

The text of the bill, which will be nown as the Gibbons bill, follows:
An act to provide for investigations in loriculture and the improvement of home grounds. Be it enacted by the people of the State of Illinols represented in the general assembly:
Section 1. That it shall, be the duty of the agricultural experiment station of the University of Illinois to investigate improved methods of producing flowers and vegetables under blass; to discover the most economical methods of constructing greenhouses and best methods of heating same; to ascertain cultural, ooll and fertilizer requirements of these plants and the best methods of protecting the same from fungous diseases and insects; to ascertain and demonstrate plants for home decoration in the variplants for home decoration in the variState and \(t 0\) collect and disseminate information regarding the improvement of home grounds of the State.
Section 2. That to carry out the provisions of this section there be and hereby is appropriated the sum of \(\$ 20\),hereby is appropriated the sum of \(\$ 20,-\) year 1906. Provided, that the work undertaken as outlined in this act be conducted on lines to be agreed on by the director of the agricultural experiment station and an advisory committee of five appointed by the Iillnols state forists' assoclations.
Section 3. That the auditor of public accounts be and hereby is authorized to draw his warrant on the state treasurer for the sum herein appropriated upon order of the chairman of the board of trustees of the University of Illinots, countersigned by its secretary and with the corporate seal of said unfversity. Nothing herein contained Shall be deemed to take away from the board of
trustees the usual authority conferred trustees the usual authority conferred aypropriated to said university. The recommendations of the commlttee herein provided shall be advisory. but the use of the moneys herein appropri-
ated shall rest in the discretion of sald board for the purposes herein set forth and said board shall account therefor.

Peter Reinberg, Leonard Kill, P. J. Hauswirth, George Asmus, W. N. Rudd and P. J. Foley have been here this week in the interest of the Chicago trade.

\section*{San Antonio, Texas.}

Otte Koehler, George Hansen, garlener, has just completed a neat conservatory \(18 x 25 \mathrm{ft}\). designed by J. C. Moninger Company, Chicago. The Koehler residence and grounds on Laurel Heights are the finest in the city, costing over \(\$ 100,000\).

Mrs. S. Maverick is looking for a buyer; desires to give up her business.
The Hauser Floral Company is cutting very fine lily of the valley.
Daffodils are in bloom outdoors.

\section*{OBITUARY.}

\section*{Charles Vesey.}

Charles E. Vesey, brother of Judge William J. Vesey, of Fort Wayne, Ind., tied February 19. The decedent, who was thirty-seven years of age, was a man of unusually brilliant attainments. He was a musician of ability and had composed several highly creditable productions. By profession he was a teacher but for several years he was compelled because of ill health to abandon his work. Of late, however, he had improved to such an extent that he contemplated resuming his work in the spring. The cause of Mr. Vesey's death was lockjaw, which resulted from the penetration of a rusty nail into his foot. He was to have been married in the near future to Miss Tillie Melnhardt, of St. Louis, who with her brother, Fred Meinhardt, was at his bedside when dissolution took place.

\section*{John Spalding.}

John Spalding died at his home in New London, Conn., February 17, at the advanced age of 91 years. For the past four or five years Mr. Spalding had been blind. He is survived by a wife and leaves some nephews and nieces, but had no other near relatives. Mr. Spalding was born on Christmas day, 1813, at Woodside, Perthshire, Scotland, one of a large family of children of Thomas Spalding, who died in 1876, aged 91. Thomas Spalding was one of the famous gardeners of bis region, a man of large ideas and deep thought and passionately fond of bis work, which made him acquainted with much that was new and true in nature. In his early life he held the pesition of gardener on a number of large estates. About forty years ago Mr. Spalding thought he would set up for bimself and he went to New London to buy the Starr greenhouses on the Neck, as it was called, but decided that the tract of land on Main street would be a better purchase, and he bought this from Governor Frank B. Loomis. Mr. Spalding bought the Richards house, in which the daughter of Capt. Guy Richards of Revolutionary fame was lying ill in the invasion of New Lon. don by Arnold, and which secured tho sparing of the hause in 1781.

\section*{Farquhar Macrae.}

Farquhar Macrae, one of the best known florists in Providence, R. I., died February 21, aged 62 years. Death was unexpected, Mr. Macrae having been sick for two days only. Peritonitis was the cause.

He was born in Rossshire, Scotland, in 1843 , and in that country gained the experience in horticultural pursuits that enabled him to build up the first successful extensive wholesale florist business in this part of the United States. He served his time in Conon Gardens, on the estate of Sir Kenneth McKenzie, where he worked for four years, afterward following his trade on several prominent places in England and Scotland before coming to this country. Ho sailed for the United States about thir-ty-five years ago, coming to Providence in July, 1870. The first nine or ten years of his career here were spent as expert grape grower on Willard Whitcomb's place on the east side of the river, later owned by L. C. Eddy and now by Warren Fales. Here he developed the industry of grape growing under glass, and the products of the Whitcomb place, raised by his hands, became famous in the New York market, where they were in demand for several years, and commanded the highest prices.

About the year 1880 he embarked in the wholesale florist business, locating on the old G. W. Chapin place at Fruit Hill. The florist business was then in its infancy, but he made a success of it from the start, and in a few years he purchased a piece of land on Smith street. Here he built a model greenhouse plant for those times, growing successfully for the wholesale market of Providence and vicinity. The business succeeded to such an extent that he soon outgrew his plant, and disposing of the same to his brother, John A. Macrae, he purchased a tract of 20 acres in the immediate vicinity, where he established the plant which he conducted up to the time of his deatb. It is estimated that the plant includes 100,000 square feet of glass.

Mr. Macrae took a great interest in the Society of American Florists at one time, belding the office of vice president in that organzation, and being mainly instrumental in securing the annual convention in Providence a few years ago. He took a prominent part in organizing the Rhode Island Florists, and Gardeners' "Club, in which he held office at various times. He was one of the prominent members of the Rhode Island Horticultural Society. Besides his brother, Mr. Macrae is survived by a sister, Mrs. Batchelder, of Beverly, Mass. He leaves a widow and eight children. See pertrait, page 232.

Utica, N. Y.-J. C. Spencer and Henry G. Martin have formed a copartnership under the firm name of Spencer \& Martin, and opened a flower stare February 17 at 221 Geneseo street.

Fairhaten, Mass.-Since Washington's birthday the greenhouses of Walter P. Winsor have been open to the public. His orchid collection is among the best in the country. Mr. Winsor's head gardener is Peter Murray.

\section*{THE AMERIGAN [FLORIST \\ Twentieth Year.}

Subseription, \(\$ 1.00\) a year. To Europe, \(\$ 200\). Subseriptions accepted only from those in the trade.
Advertisements, on all except cover pages, 10 Cents a Line, Agate; \(\$ 1.00\) per inch Cash with Order.

\section*{No Special Position Guaranleed.}

Discounts are allowed only on cons-cutivs Insertions. as follows-6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent 52 times, 30 per cent.
Space on front pages and back cover page sold only on yearly contract at \(\$ 100\) per inch, net.
The advertising Department of the American The advertising Department of the AMERICAN and dealers in wares pertaining to those lines only. Ordersfor less than one-hall inch spacs not accepted. Advertisements must reach us by Wednesday to secure insertion in the issue for the following Saturday. Address

\section*{AMERICAN FLORIST CO., ChIcago.}

When sending us change of address, always send the old address at the same time.

Dakota has made the wild prairie rose the state emblem.

Southern Smilax men, east and west, are having an inning just now, but it seems there is still plenty of stock held in few hands.
IT should be remembered that at Philadelphia the call for greens, adiantum, asparagus, etc., last April and early May was much heavier than for flowers.

\section*{Carnation Flamingo.}

\section*{Ed. American Florist:-}

In your issue of February 11 you give some notes made at the Thompson Carnation Company's place. The statement is made that flowers of Flaminge "turn black when cut.'" I must say that 1 cannet account for this as I have never had any such experience with this variety. Vith us it is a remarkably good keeper both before and after being cut. In fact it is so satisfactory that it is the only red we shall grow until some other variety has proven itself better.

Louis E. Marquisee.

\section*{Society of American Florists.}

Department of plant registration.
Register your new plants. As soon as you have ascertained that a seedling has the requisite merit to entitle it to a permancnt existence and have given it a name, register name and description with the secretary of the national society. The record will then be published and your plant will be protected in its right to the exclusive use of the name you have bestowed on it. For registration blanks and all information write to the secretary.

Wm. J. Stewart, Sec'y.

\section*{American Rose Society.}

Complete scherlules for the approaching rose exhibition at Horticultural hall, Boston, have hiren mailed to all members of the American Rose Society, and inclosed with each schedule an antry carl. All others not members of the society ean have copies on application to the secretary. The number of special premiums is large and an exhihition of unprecedented diversity and heaty is assured. M. H. Walsh's display of Rambler roses alone will he worth crossing the continent to see, and every nue interested in the rose, commercially or otherwise, should take
advantage of this opportunity to see a superb exhibition and meet the foremost rosarians of America. Come yourself and bring an exhibit with you.

Exhibits may be seut, prepaid, care of William Nicholson, Horticultural ball Boston. For the convenience of exhibitors at a distance Welch Brothers, 15 Province street, Boston, have generously placed their refrigerators and other conveniences of their establishment at the disposal of exhibitors who may, if they so desire, ship their boxes in advance to Welch Brothers' care, giving explicit instructions by mail as to what disposition they wish made of them,-whether the boxes are to be kept unopened, or whetber the flowers are to be taken out and placed in jars of water until required. All instructiens will be carefully complied with.

Wm. J. Stewart, Sec'y.

\section*{American Carnation Society.}
derartment of plant registration.
By F. H. Kramer, Washington, D. C., F. H. Kramer, a cross between Lawson and Marquis; color a shade brighter than Lawsen; flower a trifle larger, with no short stems in the fall and does not burst. In growth it is strong and is entirely free from discase, a continuous bloomer and stems stand without suppert.

Albert M. Herr, Sec'y.

\section*{The Glass Market.}

The glass market, while cemparatively quiet locally, is in a good, healthy condition, says the New York Commercial. The American Window Glass Company and the independents claim to be well sold ahead and stocks in jobbers" hands are not above normal for the time of year. Jobbing trade has suffered in sympathy with general conditions due to inclement weather, but prospects are bright in view of the outlook for active building operations in the early spring. Sellers are holding well together and there are fewer complaints of cutting prices than usual.

\section*{New York Paint and Oil Trade.}

The prospects for good business are favorable, as manufacturers continne to make extensive preparations for the spring and summer demand, says the Commoner and Glassworker. The latter undeubtedly will be heavy as a result of the plans filed for building operations in numerous sections of the country since the opening of the year, which show a considcrable increase over any previous year. In white lead business has been hampered by the ice floes in harbors and congestion in traffic. As a rule corroders are refusing to book business for supplies for delivery not later than the end of April but some orders have been booked for shipment to July.

\section*{Meetings Next Week.}
[Secretartes of socletles are requested to send us advance information of special meetings, and of changes in dates of regular meetings.]

Poston, Mass.-Massachusetts Morticultural Society, Horticultural Mall, 300 Massachusetts avenue, Saturday, March 11, at 11 a. m. Lecture on "The Return te Nature,' \({ }^{\prime}\) by Miss Maud Summers.

Butte, Mont. - Montana Florists \({ }^{\text {F }}\) Club, Columbia Gardens, Friday, March 10.

Chicago, Ill.-Chicago Florists' Club, Handel Hall, 40 Randolph street, Thursday, March 9 , at 8 p. m.

Cincinnati, O.-Cincinnati Florists* Society, Jabez Elliott Flower Market, Saturday, March 11, at 8 p. m.

Denver, Celo.-Denver Flaral Club, 322 Charles Bleck, Friday, March 10, at 8 p. m.

Hamilton, Ont.-Hamilton Gardeners' and Florists' Club, office of member, Tnesday, March 7, at 8 p. m.
Hartford, Conn.-Hartford Florists' Club, Friday, March 10 , at 8 p. m.
Indianapolis, Ind.-State Florists' Association of Indiana, Commercial Club rooms, Tuesday, March 7, at 7:30 p. m.

Louisville, Ky.-The Kentucky Seci ety of Florists' 'Tuesday, March 7, at 8 p. m.

Madison, N. J.-Morris County Gardeners' and Florists' Society, Masonic Hall, Wednesday, March 8, at 7:30 p. m.

Mílwankee, Wis.-Milwaukee Florists' Club, Empire building, West Water and Grand avenue, Tuesday, March 7

Moline, Ill.-Tri-City Florists' Club, Thursday, March 9.

Mentreal, Que.-Montreal Gardeners \({ }^{3}\) and Florists' Club, Alexandria rooms, 2204 St. Catherine street, Monday, March 6.

New Bedford, Mass.-New Bedford Horticultural Society, Thursday, March 9.

New Bedford, Mass.-New Bedford Florists' Club, Thursday, March 9.

New Haven, Conn.-New Haven County Horticultural Society, Tuesday, March 7.

New Lendon.-Gardeners' and Florists' Club, at greenhouses of Secretary H. H. Appeldorn, Tuesday, March 7.

Omaha, Neb. - Nebraska Florists Seciety, City Hall, Thursday, March 9, at \(8 \mathrm{p} . \mathrm{m}\).

Philadelphia, Pa,-Florists' Club of Philadelphia, Horticultural Hall, Broad street above Spruce, Tuesday, March 7, at 8 p . m .

Pittsburg, Pa.-Pittsburg and Allegheny Gardencrs' and Florists' Club, 422 Sixth avenue, Tuesday, March 7, at 8 p. m.

Providence, R. I.-Florists' and Gardeners' Club of Rhode Island, 96 West. minster street, Thursday, March 9, at 8 p. m.

Salt Lake City, Utah.-Salt Lake Florists' Society, Friday, March 10.

St. Louis, Mo.-St. Leuis Florists Club, Odd Fellows Hall No. 2, 9th and Olive street, Thursday, March 9, at 2 p. m.

St. Louis, Mo.-Florists' Club annual rose meeting, March 9.

Tuxedo, N. Y.-Tuxedo Horticultural Society, Tuesday, March 7.

Washington, D. C.-Washington Florists' Club, Schmidt's Hall, 516 Ninth strect, Tuesday, March 7.

Worcester, Mass.-Worcester County Horticultural Society, Horticultural Hall, Thursday, March 9.

Worcester, Mass.-Worcester County Morticultural Society, Wednesday, Mareh 8, annual reunion; Wednesday and Thursday, March 8 and 9 Massachusetts Fruit Growers' convention; Thursday, March 9, lecture on "The Apple, the King of Fruits,' by W. D. Baker.

\section*{SITUATIONS, WANTS, FOR SALE. \\ One Cent Per Word. \\ Cash with Adv. \\ Plant Advs. NOT admitled under this head.} Every paid subscriber to the American Flomiat or the year 1905 is entitled to a five-line wan ADV. (situations only) free to be used st auy time during the year.

Sltuation Wantod-By young man desiring to learn the trade; prejer growing roses and carnations. Full particulars given on receipt of addres Box t71, care Americsn Florist. 9 Sltuation Wantod-Ky Danish florist age in, commercial or private. Address

Edear Joanson, Fowler, Colo.
Situatlon Wanted-By an all-arouod grower, and without board. Address

Bry 173, care American Florist
SItuation Wanted-Young German, 26, with some experionce wishes position where roses and carnstions are grown. Address

Box 182, cs re Americsn Florist
Sltuatlon Wanted-By fiorist, single, 28 yesrs of age; yrower of cut foners. beddiog plants also a good propagator and gardener. Address

Sltuation Wanted-By a boy 16 years old, Ger-man-Anerican, obliging and bonest, to learn tbe florist trade. Address

Henry Dumke, Wileys Mill, Blandon, Ps
Sltuation Wanted-By a strong boy past fourteen, fairly well educated, desires to lesra the forist trade. Address

Sliuation Wanted-As gardener: fully competent to take charce of a fully equipped pripate place. Has good references. Freoch, maried
one child.
Jules Bavt, Glenside, Fa

SItuation Wanted-April 1, by Swede, age 25 8 years' experieuce in cut flowers, pot plants and vegetables. Absolutely sober. single. Good raferences. State whees. Address

Eltuation Wanted-On a prlvate or commercia) place, by an experienced young man, single, 95 Years of age; life experience in all differen branohes, and able 10 take charge. Address

Box 164, care Americad Florist.
Situation Wantod-By all-around fiorist and gardener, 28 yeurs of age. Swede: life experienc in Eutore and this country; gapable of taking charge Priznte place preferred. First-class references. Address
situation Wanted-As working foreman, 33 years of age, siugle, reliable, sober, German, 19 years' experience in roses, carastions, beddtag, dssign, landsoape, vegetables, eto.; best of refor ences, Please stato wages. Address

Hox 163, care A merican Florist.
SItuallon Wantad - By French gardever, 30 yesre old, siuple, sober; life experience in al branches. Csin fu-nish first-class referedces American privale p.ace io east preferrel, Apply 8th St, wear Ollve, St. Lonis. Mo

Situatlon Wanted-As fort man on good sizer commercial place where growitr roses for cu wers is mode a specialty. Refer to Alex. Mont gomery, Wabau Rose Conservatofies, Natick

Sltuation Wanted-To take charge of larg private estate or publie institution by fintist and andscape pardener; German, 36 yesis of age: re experience, hest or refereaces

Box 18i, care American Florist.
Sltuation Wentod-Orcbid grower, propaga tor, fancy plat krower, etc, wants position Privale or commercial. Capable to take obarg


SItuatlon Wantod-By German, siagle, age 30; 10 years' experieuce in this country, to take ofar*e of moderngreenhouses where generang of stock is grown for retail trade. Thoroughiy eral stock growing. Card furnish goodreferances Please state partıcular, wares, etc. Address
Box 186, care American Florist.

Help Wantod-A reijablo msn to take charge of small place, to grow cardations, roses, 'mums violets a od gederal stock. Addres

E Fowez, Framkfort, Ky.
Molp Wantod-Rose grower, specislist for wages to completit ush Address
\(G S G\), csre American Florist.
Holp Wantod - Man for general greenhouse work; must bs sober sud steady. Geod position for right man. Address

Holp Wented-Good counter msin in seed store, must understand gardentrs' requirements: give eferences, age, qualifications and present cond ion. J. A. Everitt, Indianapolis, Ind.
Holp Wantod-A good sober and reliable florist or general greanbouse work. Must be able to ake charge of about 8,000 feet of glass in general tock. State wages wanted, with references.
Louls Batacera, Freport, Il

Halp Wantod-Gardevers, 25 to \(3 J\) years of age, with some knowledg; of landscape gardeniag, ood wages, only good workera need apply.
Address U. G. De Werer, Gead Gardener,
Holp Wantod-Working foreman. 25 to 3 years fage, withesecutive abiily, capable of bandlug men, acquesuted with landscape gardening.
Address C. E De Werer, Head Gardeder
Lewis Pub. Co., St. Louis, Mo.
Holp Wanted-A good, quick, up-to-date man or the maursement of our greeubouses. \$95.00 steady and polite. Address

Holp Wanted-A floriwt who understands growHolp Wantod tores and general tock or planting out ode who understands desinn work. References required. Must be sober and industrious. \(\begin{gathered}\text { Addr.ss } \\ \text { Box } 885,\end{gathered}\)

Box 885 , care American Florist.
Help Wantod-A florist who understands roses, cardations, mums and genersi stock. Young single man preferred. Wages 87. .0 with good board and room. References required. Stats particulars in first letter.

Holp Wanted-A good grower of roses, carnstions, obrysauthemums and general stock of plants. Must be sober and good worker. State ge, experience and wages expected with references. Address

Sunntalde Greenhouses, Owosso, Mich.
Holp Wantod-First-class man to take charge of retall store with an establisbed trade, in a live weslern city. Nlust be a good designer and decoator, neat and gentlewanly in a pprarance. honest, industrious and sober, and capable of laking proftably. apply with references and photoproftably apply with references and photo-

Hotp Wanted-Florist and gardener must understand geueral greephouse work and growing misceilsdeous plants. Permanent position with chance to advance. If married could use wife or doing bunse Give reference or send letters and bosrd or house. Give refereace or send
A. J. Selvers, Cullege of Industrial Arts Denton, Tex

Wented-A large quantity of l-inch, 1 l-ioch and ?-luch pipe, second
good condition. Adrers
hiami Floral Co., Dayton, O.
For Sale-Brllard'e Greenhouse. \(\begin{aligned} & \$ 750 . \\ & \text { Perry, Iowa. }\end{aligned}\)
For Sala-Greenbouse property in thriving town iusouthero Nichigan forsale chesp, if sold quick. Reasons for sellidg, sickness. Little cash wall take it. Wrate t
P. Thomss, Hudson, Mich.

For Ront- \(\$ 00\) per month, five greenbouses, 9,000 square leet of glass, nine sad one-half sere cash for stock, eto, upar Cbicago. Address

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For Sale-A greenhouss property in s flourishIng town of 8,000 inhabitants in the state of Indians, houses stocked with roses, csianations, miscellaneous stock and bedding plants; \& seppsrticulars address
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For Salo-Nursenes of three acres, including 12,000 feet of glass: beated with bot water, fully stocked with palms, ferns and house plants; \(240 c 0\) feet of lath house, \(5,000 \mathrm{smilax}, 500\) Asparagus plumosus, ste The site is on the bod-ton
street, twenty blocks from busioess section. For street, twenty blocks from busioess sec
further particulara and price address

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For Solo-Having decided to retire from the greenhouse business we are going to bell our entire plant at a bargain, consisting of 12,000 squared with steam, complete for carrying on hested with steam, complete for carrying on retail or wholessie business, two dwel-class estab lishment; been established 12 yesrs in a city of 10,\(000 ;\) o 0 competition, elegant retail trade. plenty of land Ior enlarging. For farticulars address
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For Sale-Greanhouse property, stock and retsil business, consisting of eight greenhouses and store, about \(22, C 00\) feet of glass, fully stocked and in frst-ciass running order, stesm beat, electrio delphia, rizhtio center of a growing population Doing a first class retail business. A splendid opportubity; only \({ }^{3} 3500 \mathrm{cash}\) required, remainder can remain on mortgage at 5 percent. To cluse an estate. Bos 114, care American Flortst,

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The handsome grounds occupied for years for experimental nursery and private park by Fair Thomas St. Size \(250 \times 330 \mathrm{ft}\). Well filled with ornamental bardy stock, fruit and shade trees flowering shrubs, peonies, roses, perennials. Also specimen trees and evargreens. Finely situsted on main thoroughfare dear Westward Bo Golf Club and Borse Show Grounds. Useful for retail nur sery or flue residence grounds for flower lover Hasvy shrubbery borders and well-filled beds Only one block north of the famous Fair Oak subdivision. Now finest residence district. Elec trio cars two blocks. Prices reasonable.

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FOR SALE \(\begin{aligned} & \text { all } \text { bout } 50,0 c 0 \text { feet of glass nesrly } \\ & \text { all }\end{aligned}\) house of roses aod one of asparagus plumosus bouse of roses a od one of ssparagus plumosus houses in splend 72 inch by 16 ft . boller heats the place with mer; \(\quad\) ease s nother is rge boller in reserve. Michigan ease; s nother cosl held but s short distance furbishes cos at a very low price. A splendid wholesale and retail trade well established; ons of the best ship ping ponnts in Michigan, reaching with ease and comparatively short time, Chicago. Milwaukes Buffalo, Detroit, the Saginaw valley and all point east, west, north or south. Splendid trade in fisld-grown carnation plants as well as rooted cuttings. Stock in floe condition. Su.l snd cli mate just suited to growing cardations-both quantiny and quality. Spleadid water privilege for feld and bouses. An exceptionsl chance fo some one to step ioto a vell established busidess house. For Iurther particulars, address

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buit to order of the very best materiat, sea and sides upholstered in leather. two windows on esch side, double plate beveled glass color of painting, body durk Prussian blue whit gold annugg gest, whesls painted vermilion wed with black stripes, silver side lamps, eight movable shelves inside, everything frst-class and cost \({ }^{3} \cdot 23\) eigh'een months ago; rubbertires A 11 guaran-
teed as represented. A fone wagon for florist io teed as represented. A fine wagon for llorist id
large city: is very attractive. Whil give sia large city: is very attractive. others and can do winhout it. Prica \$75

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For 4 considerable establlshment in Germany; nurseries and greeuhouses; cut flowers

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Box 158, cere AMERICAN FLORIST.

\section*{San Francisco.}

There has been little change in the tone of the market since last week. Roses are still scarce and carnations plentiful. There is little demand for bulbous stock. There are plenty of acacias to be had now, these and violets being the chief stock in trade of the great army of street vendors.

We have not heard of any extensive additions to be made in building this spring. During the past two years an enormous lot of glass was added by the growers in the vicinity of this city. It seems to me that the time has arrived when one should move cautiously as we are unlike the eastern part of the country where they have hundreds of large cities which may be relied upon to use vast quantities of flowers. Here we have practically only one city to use the large daily cut.
Wm. Eldred, head gardener to the Crocker estate, at Burlingame, has commenced work on the large grove of Ficus elastica which is to be planted on that place. He has many thousand young plants which are ready to be set out. The result of these plantings will be watched with much interest.
H. Nelson, formerly head of the green house department of Cypress Lawn Cemetery has gone into business on his own account at Millbrae under the name of the Bay Counties Nursery Company. Mr. Nelson is very popular with the trade and all wish hini every success.

Your correspondent aropped into the Garden City Floral Company's place during the week and found the manager, Arthur Cann, as busy as usual. He has the houses in splendid shape and the daily cut is quite extensive. All the stock goes to the San Jose market.

The Garden City Pottery Company, recently established at San Jose, is meeting with great success owing to the fine quality of flower pots the firm is sending out. They also deliver the orders anywhere on the peninsula.

Johu H. Sicvers \& Company are supplying us now with some of the finest of their new seedling carnations of the older sorts. Hobart is without doubt the best carnation that comes into this market.
W. H. Taylor has let a contract for a large greenhouse for palms and decorative plants at Menlo Park. Augustus Taylor has just completed the erection of two fine new greenhouses at the same place.
M. Lynch has secured a piece of property at Portola which is so peculiarly situated as not to be visited by frosts. It is to be used for growing late chrysanthemums.

Mr. Shaw, manager of the San Joaquin Floral Company, visited the tradc here recently and reports business in a healthy condition in his city.
G. Gardine, formerly with McLellan Brothers, has the new houses he erceted in first class shape. He is installing a new boiler using erude oil for fuel.

The alaborate decorations at the Felton lall in the Palace hotel last week reflecten great credit on the Misses Worn who hat the matter in charge.

Thomas Thompson of Santa Cruz, one of our lealing earnation specialists is senrling lorge consignments daily to thic market of the finest quality.
J. James who is in charge of Dr. Sig fried's houses was a caller. Dr. Sig fried is the owner of the largest collec. tion of orchids in the west.
A. Johnsou, formerly with H MeTwombly, Madison, N. J., has succeeded H. McLain at H. Plath's nurseries at Ocean View.

George Hood has purchased four acres near Nayficld where he intends to embark in business in the near future.

Norma.

\section*{Toronto.}

MARKET CONDITIONS.
The weather has become more pleasant and business continues to improve. Febrnary was far in advance of last year. The bright weather which we have had recently has belped the roses considerably and some very select stock is being cut. Bride and Bridesmaid are strong and vigorous, some of the select retailing at \(\$ 5\) per dozen. American Beauty are beginning to pick up and there will be plenty around in a short time. Bulb stock is very plentiful and with some people carnations are a glut.

Florists' and gardeners' club.
The February meeting of the Florists' and Gardeners' Club on Tuesday evening, proved very interesting. Business relating to the carnation show occupied considerable time and also arrangements for a chrysanthemum show to be held in the fall. Owing to sone unpleasantness which occurred at our last chrysanthemum show, by one of the exhibitors being dissatisfied with the awards and removing his entire exhibits, it was moved that a clause be inserted in the regulations to govern all subsequent shows to be held by the association, that any exhibitor not adhering to these rules be restrained from showing at any shows to be held by the association.
J. H. Dunlop gave us a synopsis of the recent carnation exhibition held in Chicago and said that the consensus of opinion was that the early season was the most favorable to hold carnation conventions, as the flowers shown were then at their very best. He stated the recent show brought out many varieties and for those interested, who did not have the time to travel over different parts of the country to view, this exhibition was invaluable.

\section*{notes.}
J. H. Dunlop and Herman Simmers were in Montreal attending the executive meeting of the Horticultural Association.

Wm. Fendley and Ned. Dale, of Brampton, have been making a tour of the greenhouses around the city.

Visitors: C. W. Scott, representing Vaughan's Seed Store, Chicago; Geo. Rolker, New York; Chas. Lochener, New York; A. Ewing, Berlin, Ont.

\section*{Newport, R. I.}

\section*{Business improves}

You have all seen by the papers how we have been blocked with ice for many weeks past; in fact transportation by water has bcen all but cut off; the last few days, however, the weather has turned warmer, and we live in hopes of some relief. What we need are some
warm days to melt the large quantities of solid ice out of our streets, for nntil that is accomplished very little outdoor work can be done. The florists have again had a very good week in cut flowers, at practically no change from prices that have ruled for some time past. Our seedsmen are gradually getting busier as the days draw nearer to the season, and the weather improves.

\section*{NOTES.}

A telegram was received last Saturday from Mr. Weaver of The George A. Weaver Company, from Hot Springs, Ark., where be went for his bealth, announcing that fire had destroyed onethird of the place, but that he and Mrs. Weaver were all right. We are informed that Mr. Weaver returns in a few days to Newport, to once more take up the direction of his large business.

The Rhode Island Experiment Station has planned a great many interesting and valuable experiments for the coming year. Many of them have to be carried through a period of years, and are therefore in many cases a continu ation of work already begun. The sta tion is doing a good work for every planter in the state.

The many friends of Street Commis. sioner Hamilton combined last Monday evening, and after an elaborate display of red fire, etc., before his home, presented him with a Morris chair and congratulated him on his recent mar. riage.
It is expected that the next meeting of the Newport Horticultural Society will be largely attended, as the matter of prizes and exhibitions for the coming year will be then disposed of. The meeting is Wednesday night, March 1.

Andrew J. Pow, head gardener to Mrs. Cornelius Vanderbilt, at the Breakers, sent to New York for Mrs. Vanderbilt's ball of last week some very fine plants and cut flowers from her Newport conservatories.
F. L. Ziegler tells us that he has had the best week this year thus far for the sale of violets. Prices have been low, 50 to 75 cents a bunch being the going price, but the quantity disposed of has been large.
F. M. Smythe, of Wadley \& Smythe, came over last week for a few days to look after the firm's contracts here.

\section*{Charleston, W. Va.}

One of the most brilliant weddings in the history of Charleston took place on February 16, in the marriage of Gover nor White's daughter to A. W. Wolfe, of Parkersburg. The executive mansion was lavishly decorated with sonthern smilax, asparagus, white carnations and Liberty roses. The work was divided between J. W. Alexander and H. F. Winter, of the Charleston Cat Flower Company.

Business has been good the last two weeks considering the severe cold weather we are laving. Mr. Alexander intends to build another greenhouse this spring.

Joe C. Bonsall of Salem, O., on his way home from Florida, was a caller.

Mrs. R. C. Littleton reports a good trade.

Litter.

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We don't quote prices in this adv. because price without quality is no argument.
But we do issue a price list for you to judge us by, to start with.
Start with us and you'll judge our prices by our quality.

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AOMINISTRATIDN JOURNAL DES ROSES a SUISNES, Brie,
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ONCLE JOHN \(\qquad\) 6.00 to 800

CARNATIONS 6.00 to 12.00
2.00 to 3.00

Alf flowers are perfecily iresh and properly packed.
No charge for P. \& D. on orders over \(\$ 5.00\).

\section*{AMERICAN BEAUTIES.}

Cut Roses-Ameriosn Besuties and al kInds of Tes Roses at loweat prices. Trisl orders sollolted
HELLER BROS., New Castle, Ind. South Park Fioral Company

\section*{Wietor Brothers. \({ }^{511}\) wabash dwone} WHOLESALE CUT FLOWERS.
-current prices. subject to chance.-


\section*{E.C.AMIIIG \\ THE LARGEST, BEST EQUIPPED \\ mOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICACO. \\ 32, 34, 36 RANDOLPH ST., chicaco. \\ L. D. 'Phones Central 1978 and 1977.}

Severepergepoenenserpereper Please mention the A merican Florist when writing.

\section*{Bassett\&Washburn}
\(76 \& 78\) Wabash Ave., chicaigo. Hholesale Dealers ond Crowers if Cut Flowers greenhouses: hinsoale, IL
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D. WOOD BRANT,
gUCGERSOR TO BRANT \& NOE FLORAL CO. -Grower of
CUT FLOWERS AT WHOLESALE. Choice Carnalions. Any quantity. Prices very reasonable. Wiro or wrile.
Careful attention given shlpping orders.
8-6c Wabash Ave.,
CHICAGO.

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Wholesale Florists,
58 and 80 Wabash Ave., CHICACO. WRITE FOR SPECIAL PRICES

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The....
AMERICAN FLORIST
When you write to an advertiser.

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noditern in Cut Flowers All telegraph and telephone orders
given prompt atteation. \(\mathbf{3 5 . 3 7}\) Greenhouses: Randolph Slreet Morton Grove, II. CEIIOASO. Please mention the A merican Florist when uriting.

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We will take care of your orders at reason able prices. Prompt attention.
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Order your stock where it will be filled with oare and dispatch. The most successful growers of cut fowers, are those who sell thelr own stock. Give us your tanding order. PERCY JONES, Menoger

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\section*{A Daily Cut From 40 Growers}

We can and will fill vour Cut Flower wants to advantage.
Plenty of BEAUTIES, MAIDS. BRIDES, etc. CARNATIONS, VIOLETS, etc. ALL GRADES.

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--Catalogot free.-
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FANCY CUT FLOWERS a Specialty.


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(1P! DG FANCY VALLEY, TULIPS VIOLETS, BE and all BULBOUS STOCK, CARNATIONS. Wild Smulax, Asparggus, Adiantum, Smilax, Fancy Ferns alwaya in abundance. Also a complete line of all Florists' Supplies, Novelties and Wire Wark.

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}

52 and 54 High Street,
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All Varlatios FLOWERS In Soason. FANCY and DACGER FERNS. FLORISTS' SUPPLIES sll kinds.
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Now is the time to order for summer flowering.
KAISERIN and CARNOT, 2lf-inch pots, \(\$ 1500\) per 100; \(\$ 120.00\) per JCOO OUR ROOT STOCK.
KAISERIN, CARNOT, BRIDE and BRIDESMAID, \(2 \frac{1}{4}\)-inch pots, \(\$ 4.00\) per 100; 835.00 per 1000 .
1 have splendid plants of AMERICAN BEAUTY, clean and free from spot; \(\$ 6.00\) per 100; \(\$ 50.00\) per 1000 .
W. H. ELLIOTT, Brighton, Mass.

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\title{
C. A. KUEHN,
}

Wholesale Florist,
1122 Pine St, ST. LOUIS; MO.
A Complete Line of Wire Designs.

\section*{Wholesale Fiower Markets}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Boston, Feb. 28.} \\
\hline \multicolumn{2}{|l|}{Roses, Beauty, best ................50.00@60.00} \\
\hline " medlum............. & 30.00045.00 \\
\hline " culls ... & 6.00@ 800 \\
\hline " Bride, Bridesmaid.......... & 40006.00 \\
\hline " Extra...................... & 8.01 @12.00 \\
\hline " Liberty. & 1.00088 .00 \\
\hline Carnations............................ & 15002.00 \\
\hline " Fancy. . . . . . . . . . . . . . . . & 2.0003 .00 \\
\hline Lily of the valley.................... & \(2.00 @ 3.00\) \\
\hline Smilax................................ & \(8.00 @ 12.00\) \\
\hline Adiantum.......... ...... . . . . . . . . & 1.00 \\
\hline Asparagus...... .... .... . . . . . . . . . . 3 & 35.00@50.00 \\
\hline Vlolets.............. . . . . . . . . . . . & .35@3. 50 \\
\hline Philadelphia, Feb. 28. & \\
\hline Roses, Tea.......................... & \(8.00 \bigcirc{ }^{1} 0.00\) \\
\hline " ext & 12.00@15.00 \\
\hline " Liberty.. & 8.00@35.00 \\
\hline " Queen of Edgely, extra..... & 400006000 \\
\hline " " \({ }^{\text {a flrsts..... }}\) & 15.00@25.00 \\
\hline " Beauty, extra. & 40.00@60.00 \\
\hline " "t frsts................] & 15.00@2500 \\
\hline Carnations............................ & 1.50 (3) 6.00 \\
\hline Lily of the valley. & 2.0005 .00 \\
\hline Asparagus. & 25.00\%50.00 \\
\hline Smilaธ............. ........ ........... & 12.00@15.00 \\
\hline Violets, single & . 25 (6) 50 \\
\hline " dou & . 35 (0) . 60 \\
\hline Adiantum. .......................... & .7503 1.50 \\
\hline Gardenias .... . . . . . . . . . . . . . . . . . & .12@ . 15 \\
\hline Mignonette............................ & 3.00@8.00 \\
\hline \multicolumn{2}{|l|}{Buffalo, Feb. 28.} \\
\hline Roses, Beauty....................... & 4.00@50.00 \\
\hline "* Bride, Bridesmaid, Meteor. & \(2.00 @ 12.00\) \\
\hline Carnations............. ..... . . . . . . . . & 2.00@4.00 \\
\hline Harrlsil.......... ... . . . . . . . . . . . . . . & \(12.50 @ 15.00\) \\
\hline Lily of the valley. & 3.00 © 5.00 \\
\hline Asparagus, strings & 40.00@50.00 \\
\hline Smilax.. & 15.00 \\
\hline Adiantum. & .750 1.50 \\
\hline Lilium Longiforum & 5.00 \\
\hline Violets. & .30@ . 75 \\
\hline
\end{tabular}

Pitisburg Florists' Exchange, WHOLESALE FLORISTS and Florists' Supplies.
228 Diamond St., PITTSBURG, PA,
Send for weekly price list and prices on large orders..

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Wild SmilaX \(\left\lvert\, \begin{gathered}\text { Flowers Billed at } \\ \text { Marset Prices. }\end{gathered}\right.\)
Shippers of choice Cut Flowers and Greens of all kinds. Try us.
 §iermit \(\$ 1.00\) für mein \(\mathfrak{A b}\) bnnement. (F5弓 ift die Sflidyt eine Den "Mmerican §lorift" \(z_{1}\) bezablen, toeil diefer eine abjolute Rothbendigleit für jeden Blumenzuidt)er ift. ©arl Moegner, Mrabama.
R. C. HAYDEN, Sec'y and Treas.

WM. J. MUTH, Manager.

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PHILAOELPHIA CUT FLLWER CO.
} Wholesale Commission Florists
choice beauties, maids and bride roses, FANCY CARNATIONS, TULIPS, DAFFODILS
and all other seasonable flowers.


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Fancy and Dagger Ferns.
All Cut Flowera in Season.
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Always mention the American Flo-
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 Bell aad koytroso Phooce. 1220 Filbert Street, PHILADELPHIA.

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CATTLEYAS, GARDENIAS, ROSES, CARNATIONS and all seasonable novelHes. With our Jang experience in shipping, and competent assistants ia cuatomers who place their orderawith us that they will not be disappaiated.

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Special American Beautios,
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\section*{Traendly \& Schenck NEW YORK CITY,}

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\section*{Wholesale Fiower Markets}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{New York, Feb. 28} \\
\hline Roser, Beauty, best & 15.00@60.00 \\
\hline medium. & 300015.00 \\
\hline " " culls. & 1.0003 2.00 \\
\hline . Liberty, best. & 10.00@4000 \\
\hline " " medium. & 3.000,10.00 \\
\hline " " oulls.. & 20003.00 \\
\hline " Bride, Bridasmaid, G. Gate. & \(200 @ 12.00\) \\
\hline " Kalserin, Carnot............ & 1.50@.1000 \\
\hline Caraatlons............... . . . . . & .7503 300 \\
\hline " Pancy and novelties..... & 3.00@ 6.00 \\
\hline Lily of the valley & \(1.00 \times 3.00\) \\
\hline Lilias.. & 4.00@3 8.00 \\
\hline Smilax. & 800012.00 \\
\hline Adantum & .60@ . 75 \\
\hline Asprrague & 20.00@50.00 \\
\hline Tulips.. & 2.0003 .00 \\
\hline Violets. . . . . . . . . . . . . . . . . . . . . . . . . & .25@ .75 \\
\hline
\end{tabular}

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Conservatory connected from which I can shlp ferns and decorative plants promptly.
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Open for Cut Flower Sales at 6 o'clock Every Moraing.
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CONSIGNMENTS SOLICITED.
Prompt Paymants. Emtablishod 1891. Ifred ! anriahr 55 W .28 th St . (ong Now York. Telaphode 8924 Madioon Sq.

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will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices

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\section*{Bertermann Bros. Co,} FLORISTS,
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\section*{Fred. C. Weber,} FLORIST,
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\section*{The Park} Floral Co.
J. a. valentine, DENVER, COLO.

\section*{milwauke.}

\section*{C. C. Pollworth Co. MILWAUKEE, WIS.}

Will take proper care of your orders in WISCONSIN.

CHICACO. Establishad 1857.
The Geo. Witthold Co . 1857 Buckingham Plaoe, CHICACO.
Growers and Importers. The oldest and leading honse in Central and Western United States. Decorative plants a specialty. Mail and Wire Orders Get Prompt attention.

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Cor. miami and Gratiot aves. DETROIT, MICH.
Artistic Designs. \& w ot t High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

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Mail, telegraph or telephone orders filled promptly in best style.

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\section*{Mark Aitken FLORIST.}

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\section*{WASHINGTON.}

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THE LEADING FLORISTS OF THE N. W.
Orders will be well cared for anywhere in Minnesota and the Dakotas.
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Corner Wabash Ave. and Monroe SI. CHICACO. Orders for Wedding Decorations, Receptions, Funeral Designa and Cut Flowers and Plants in every shape executed with care and despatch. Leading Chlcago Retaller.

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CHAS. CHADWICK, COR. FULTON \& LAGRAVE,
Grand Rapids, Mich. WHOLESALE and RETAIL FLORIST. Higb-Grade Cut Blooms. Carnations, Roses, 'Mums, Violets, Etc. Choice American Bearties a Specialty. Artistic Designs on Short Notice.
Good Shipping Facilities to all Michigan Points.
-A TRIAL ORDER SOLICITED.-
Please mention the A merican Florist when writing.
JOHIN WOLF,
Wholesale and Retall Florlst,
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Paper White Narcissus and Roman Hyacinths.
\(\$ 2.00\) per hundred, in any quantity. Long Dislance Telephone Connections.

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Cul Flowers, Floral Designs, Decoralions. Tflephone 1087. All mail, telegraphor telephone orders promptly and artistically tlled.

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The first special newspaper in the world for floral arrangement.
250 ILLUSTRATIOHS AMRUALLY. Specimen number free.
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The largest, brigbtest, and best advertisng medium for the Horticultural Trade o Great Britain, publighed weekly. Also
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TULIPS, single, all colors............................................. \(\$ 2.00\) to \(\$ 3.00\)
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LILAC, fancy................................................................... 1.00
FINE VALLEY.............................................................. 3.00

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They can't be beaten; medium stems and fine flowers.
Fancy Grown CARNATIONS \(\$ 2.50\) to \(\$ 3.00\)
Common...
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1.50 to 2.00

We have a Complete Line of CUT FLOWERS and can lilf Your Largest Orders. We guarantee stock on regular orders to reach you in first-class condition. Rush orders given most careful attention. Good stock insures us your continued patronage.
A. L. RANDALL CO., 19 Randolph Street, Chicago.

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DREER'S SPECIAL OFFER
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\section*{AZALEA MADAME VAN DER CRUYSSEN.}


As we are not haodliog Azaleas for Easter this season we offer a fine lot of this mast valuable variety in fias bushy, wall budded plaots to close out quickly
10 to 12 -inch crawns. P4.50 83500 18 to 20 -inch crawas.... Each 12 to 14 -ioch crowns.. \(6.00 \quad 45.00 \quad 20\) ta 28 -inoh crawns............. 3.00 lat of mixed the above we have onthing left in Azal. 50 ase dazen: \(\$ 35.00\) lat of mixed varieties in 10 to 12 -iach crawna at 4.50 per dazen: \(\$ 35.00\) yer 100

Nate. -The above prices are practically the same as those at which We hook import ordera, they are made law ta move the planta at once, the stock is of good quality, but is limited; apeak quickly if you want them.

\section*{AZALEA MOLLIS.}

An unusually fine lot of well-budded plata 15 ta 18 inchea high. A plant that is ratidy gaioing favor for early aod late forcing; it is profitable stock for the retaller to haodle, as it can be grown at a minimum cast for beat and labar. \(\$ 4.50\) per dozen; \(\$ 3500\) per 100 .

\section*{DEUTZIAS for Forcing,}

Strong, shapely, 2-vear-old feld-erown plants, suitable lor 6-lach pata. Gracilia Rosea 100 per dozen: 8800 per 100. Gracilis Lemoloei. \(\$ 1.00\) per dazen; \(\$ 8.00\) per 100

\section*{FORCING RHODODENDRONS.}

For a late Eaatar will fill a vacancy where Azaleaa cannat be retarded: they are becoming more papular evary season; you will find it profitable to try theae. We are carrying an extra large atack of bushy, well-ahaped planta, covered with buds, 16 to 18 inches high, 9900 per dozen; \(\$ 7000\) per 100. 20 to 24 inchea high, foe specimeos, \(\$ 11.00\) per dozen; 990.00 per 100 .

\section*{THE BABY RAMBLER ROSE.}

\section*{Mme. Norherl Levavasseur.}

The most valuable bedding rase yet introduced. A plant which will be la atrang demand for a long time. We offer gaod planta, zuitable to use for atack plants, oap-year feld-growo, suitable for 4-inob pota, 85.00 per dozen; 83500 per 100 .

DREER'S QUARTERLY WHOLESALE PRICE LIST of Seeds,
Plants, Bulbs, etc., ia mailed to all Florista. Il you do not
have it at hand please advise us and a copy will be sent at onca.
HENRY A. DREER,
714 Chestnut St., Philadelphia.
KENNICOTT BROS. COMPANY
40-42-44 Randolph St., CHICAGO.
Our repulation has always been thal we fill orders when others fall. All stock in season at Lowest Market Rates.

\section*{The Best He Ever Saw.}

American Florist Co.:-Enclosed find \(\$ 1\) which apply on subscription. I would not try to do without the paper. I consider it the most valuable trade paper I ever saw and I can say I learned more from your pages in one month than in ten months from som \(\theta\) other papers.

Fred Windmiller, Supt.,
Livingston Seed Company's Greenhouse Department.

\section*{Forcing Stock for Easter.}

\section*{azalea mollis full of buds, nice even} beads. force essily. \(1 \%-15 \mathrm{fa}\). high, \(\$ 3000\) per 100: \(15-1810\) hich \(\$ 1000\) per 100.
DEUTZIA GRACILIS, grown especially for pot culture: verv bu,hy: 1215 In. high, for 6.in. pots, \(\$ 600\) per \(160: 15 \cdot 18 \mathrm{in}\). high, for DEUTZIA IEMOIMEL SIMIA OEUTZIA LEMOINEI-Similar to Gracilis, THE STORRS \& HARRISON CO..
pots. 88.00 oor \(100 \cdot 18-24 \mathrm{io}\). high, far 7 or 8 -10. pota, \(\$ 10.00\) per 100 . RHOOODENDRONS-Beat pamed Hybrids, busny agd full of buda, 20 in . high. \(\$ 900\) per dozen: 24 in , bigh \(\$ 1: 00\) per dozea; \(30-32\) io. bigh (heavy) 824.00 per dozen. SPIRAEA JAPONICA, \(\$ 3.00\) per 100. SPIRAEA NANA COMPACTA, 4.00 per 100.

Painesville, 0

\section*{The Seed Trade.}

\section*{american seed trade association.}

Chas. N. Page, Dus Moines, Ia, Pres.; L.
C. E. Kendel, Cleveland, o., Ste, yand Treas. Twentr-third anmual convention at Alexandria bay, N. I., June \(20-22,1905\).

Matl order seed business is picking up rapidly.
There seems to be a poor outlook for seed potato prices.
Onion Set jobbers report stocks fairly well cleaned up.

Jesse E. Northrup of Minneapolis, Minn., who was operated on for appen dicitis February \(2^{4}\), is progressing favor ably.

Wholesale grass seed men are moving large quantities at the present time. There has been a slight advance in timothy and clover.
Chicago.-One of the Molland bulb men was arrested last week for spitting on the sidewalk, the ordinance against this being now rigidly enforced.
Des Moines, la.-Charles N. Page of the Iowa Seed Company writes as follows February 28: "Our trade mas somewhat off during January and the first half of February owing to unusually severe meather, but is now catching up.'

Philadelphia, Pa.-Merbert G. Tull, treasurer of the Heury A. Dreer corporation, is taking an important part in the transactions of the Equitable Assurance Society, which are now attracting wide attention. Mr. Tull is one of the leaders in the movement to protect the policy holders.

English Holly in America.
We learn that considerable quantities of berried holly find their way to the American markets. We can hardly look on this fact with complacency, says an English contemporary, as we fear it will entail the mutilation and spoliation of one of our greatest ornaments. For once we should be glad if our cousins would put on a heavy import duty-but then we have no bolly to sell!

\section*{Notes of Newport, R. I.}

The Thomas W. Emerson Company of Boston, Mass., has been looking after its interests here through their Mr. Smith, who reports a good business.

Frank A. Rich, representing Joseph Breck \& Sons Corporation of Boston, Mass., has heen here the past week.

Mr. B. Faxon and wife attended the whist games of the New England Whist Association held in Providence, R. I., on Washington's birthday. Mr. Faxon is associater with William U. Scott \& Company in charge of their seed department.

3,700 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co,
Wholesale Seed Crowers.
SAN JOSE, CALIFORNIA.

\section*{Boston.}

Business continues to improve though there was a little slackening off after Washington's birthday. There was on the day before the holiday a very good demand for violets and carnations. Violets have since fallen off and are selling at from 25 to 35 cents per 100 . Roses, a little short, are holding their price well. Carnations, while holding their price, are not selling as freely as they were a week ago. Bulb stock is cleaning up well but the indications are that it will be druggy during the coming week.
The Boston Gardeners' and Florists' Club held its monthly meeting on Tuesday. The address of the evening was delivered by W. W. Rawson, of Arlington, his topic being "The Growing of Vegetables under Glass.' ' The club referred the question of awarding prizes for seedlings and other novelties to a committee of five. The proposed amendment to the constitution offered by Mr. Westwood, of Forest Hills, giving the president the power to appoint the executive committee was voted down after a spirited debate.
B. F. Washington, of Stoughton, who has been confined to his house for the
past nine weeks, is again able to bring his stock into the Boston market.
N. F. McCarthy has been under the weather since his return from the West Indies.
H. P. S.

\section*{St. Paul, Minn.}

The past two weeks have seen trade at its very best. Business has been all that any one could wish, with plenty of flowers to meet demand. The weather has been the most favorable for years at this season. Palms have been taken out every day without protection. All classes of stock are very plentiful, especially carnations. While there have been loads of bulbous stock, the call for it has been equally large, and has kept it moving well.

Those calling on the trade recently were: C. W. Creighton, Aug. Rhotert Jos. Rolker, W. G. Schucht, B. Eschner and A. H. Stolper, of Winnipeg. 0 .

Barrington, Mass.-Martin Simmons, who has had charge of the greenhouses on the F. G. Teffit estate for séveral years, has resigned his position and accepted a similar position on the Capt. John S. Barnes place, Lenox.

\section*{Van Zanten Brothers, \\ royal netherlands bulb nurseries and export trade HILLEGOM, HOLLAND.}

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

MR. G. HYLKEMA,
Care of Messrs. Mallus \& Ware, 136 Waier SI., New York.
Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

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Some soil raises better crops than others because it contains more nitrogen.
Fertlity germs draw nitrogen from the air -deposit it in the soil-make theland richinsure immense crops.

\section*{NITRO-CULTURE}
containe these germs. Sprinkle on seeds hefore planting. Germs increase-earich the soil, make nitrogenous fertilizers unneces gary. \$2.00 worth increases yield per acrs enormously. Write for catalogus. \(6 \mathbf{P}\)
NATIONAL NITRO-CULTURE CO. West Chester, Pa.

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Plumosus Nonus \\ Robus fus. \\ Sprengerl.
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Write us before placing contracts. We bave superior stock seed and can furnish you good seed at reasonable prices. Address
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Please mention the A merican Florist when writing. RIPE TOMATOES IN JUNE or early in July can be had from Fedder's Earliesl Improved Large Tomaloes. They will average \(3 / 1\) lb. eaoh. (1 had them weigh \(1 / 4\) lbs.) They are bright scarlet, smooth as an a pple, will not crak open, and will bear until irost kills them. 200
seeds from selected fruit \(15 \mathrm{c} ; 2\) packets for 250 .

HENRY FEDDER, 25 Floral Ave., Dansville. N. Y. We have seen Mr. Fedder's tomatoes. They are all he olaims.-Ed. Vick's Magazine.

\section*{SPARAGUS PLUMOSUS NANUS SEED.}

Presedt sesson crop. 250,000 at 82.25 per 1000 in quantities to suit. Early orders sollcited. Delivery in Februsry.
Rees de Compere, LONG BEACH, CAL., R. F. D. No. I.
TUBEROUS BEGONIAS
Our Gold Medal Strain. 25 at 100 rate; 250 at 1000 \(\begin{array}{lrr}\text { rate. } & \text { Per } 100 & \text { Per } 1000 \\ 827.50 \\ \text { Single, } 6 \text { separate colors.......... } 83.00 & 8.00\end{array}\) finest mixed ................... 2.75 25.00 \(\begin{array}{llll}\text { Double, } 4 \text { separste colors.......... } & 4.00 & 3750 \\ \text { dnest mired ............. } & 3.75 & 35.00\end{array}\)

Please mention the American Florist when werting.
Telegraph Code
Am. Seed Trade Association \$2.00
in either stiff or flesible cover. Address orders to AMERICAN FLORIST CO., CHICACO.

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I am now booking orders for July and August delivery. Prices on Application. \(* * *\)

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F you garden you want the BEST,--and we shall be pleased to mail you Burpee's Farm F you garden you want tae BEST,-and we shall be pleased to mail you Burpee's FARM ANNUAL FOR 1905, an elegant now book of 178 pagoa, which tells the plain truth with usual merit. If you garden for proft or are a fiorlat you should also have Burpee's "Blue List' or Wholesale Price-List for Market Gardeners and Florists.

Write TO-DAY: A postal card will do, while it is suflicient to
 W. ATLEE BURPEE \& CO., The World's Largest Mail Order Seed Trade

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Writo for Pilcas. We \(A\) RE SEED HEADQUARTERS FOR JARTERS

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Bulbs
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\section*{CHICAGO.}

To the Trade that We are the Successors of
W. P. PEACOCK, DAHLIA SPECIALIST.

Send for our Beautifully Illustrated Descriptive Catalogue for 1905, Now Ready.
L. K. PEACOCK, incorporated.

Atco, New Jersey.

\section*{The Nursery Trade}
amERICAN ASSOCIATION OF NURSERYMEN.
E. W. Kirkpatrick, McKinney, Tex., Pres.; C. L. Watrous, Des Moines, Ia., Vice-Pres.; Thirtieth annual convention, West Baden Springs, Iud., June, 1905.

Otsego, Mich.-Mansfield park is the name of the new pleasure grounds for the people of Otsego. A handsome mausoleum will be erected in the center of greunds by William Mansield, of Ienia, donor of the park.

New York.-The board of estimate has appropriated \(\$ 3,000,000\) for small parks this year, and \(\$ 1,000,000\) for playgrounds. Breoklyn's share will be \(\$ 900,000\) for parks and a proportionate share of the \(\$ 1,000,000\) for playgrounds.

According to a fruit repert issued in February by the Missouri State Horticultural Society, the peach crop in that state is reported practically killed by the severe cold of February 12 and 13. The report is taken from 300 cards sent out into different localities.

The American Forestry Congress recommends an amendment to the national lomestead law, requiring the planting of five per cent of the area of a homestead in trees before final patent shall issue, and that such planting be under the supervision of the burean of forestry.

Ottawa, Can.-The Ottawa Horticultural Society has done much to add to the beauty of the capital by stimnlating the interest of housebolders in the floral embellishment of their lawns and gardens. The prizes offered by Lady Minto for the best kept gardens have also done much to arouse interest in the werk.

Tacoma, Wash-State Herticulturist Van Holderbeke and his inspecters, in every county in the state, are on the alert to prevent the introduction of the beetle Deryphora decem-lineata, commonly known as the Colorado beetle, which has gradually spread castward over the Míssissippi valley, and has now made its appearance on the Atlantic seabeard.

\section*{Sunken Garden for St. Louis.}

Park Commissioner Aull has announced the completion of plans for a sunken garden that will be construeted in Forest park by May 1. The garden will be circular, 250 feet in liameter, and will be bedded with 200,000 plants which are now ready in the greenheuse in the park.

The center of the garden will be a rool 20 feet in diameter for gold and silver fish. In the center of the pool there will be a fountain. Mr. Aull estimatrg the cost at \(\$ 2,500\). Tho walks learling to the center will bo six fect in width. The garden will be the largest of the kind in a public park in this country exerpit that in front of the art gallery in Fairmount prark, Philadelphia.

\section*{Baltimore. THE MARKET}

At last we are having some fine weather and morlerate temperatures. In
the past week the sun has been shining as loright as though it had not for weeks before seemed to have forgotten how to do that stunt, and the air has been transparent, lucid and crisp, just such an atmosphere as makes towards good roses. The nights continue cool, and will probably remain so until all the snow, which is disappearing, has melted off the ground. Consequent upon this improvement in weather conditions, all kinds of tlowers are in better shape and roses begin to come in, in presentable form. Carnations are abundant, violets ditto, and roses rapidly coming up to normal production. Early last week the inarket men showed up as by one accerif, and the street dealers were in evidence once more, and things looked quite animated. Later in the week there was some sagging, but from now until Lent begins a fairly good business is to be expected, as there are many balls, receptions and other social entertainments in sight.

A new stere epened within a few days at 1421 N . Charles street, called "The Fernery." It is adjacent to the Pennsylvania and Baltimere \& Ohio main passenger stations, convenient to the residential section and especially accessible from the numerons fashionable apartment houses and family botels on St. Paul and Charles streets, and Maryland avenue. It has a bandsome window and is making a showy display of fine flowers and blooming plants. Clarence Ritter is the manager. S. B.

\section*{Dayton, 0.}

The Niami Floral Company intends building three houses, \(34 \times 160\) feet each, and one \(28 \times 165\) fect. The first three will be used for carnations and the last named for roses, inclnding 1,200 of the new Richmond. The lumber for the new houses will be furnished by the John C Moninger Company, Chicago.



RIVER VIEW NURSERIES,

CACTIWe are now making a plat and seed collectiog tour of arizona. Our price list is as foilows:

\section*{agave Appleoata Parryi. 10 c to \(\mathbf{8 3 . 0 0}\).}

Cactus Rainbow, 10 c to 50 c .
Cereus Giganteus, to \(2 \mathrm{ft} . .50 \mathrm{c}\) ta \(\$ 1.00\).
4 ft ., \(6 \mathrm{ft} ., 8 \mathrm{ft}\). \(: 7300,86.00 ; \$ 10.00\).
Cereus Greggii, \(\$ 1.50\) to \(\$ 3.00\).
Dasylirion Wheeleri, a beautiful decorative
plant; ga evergree, grayish-green flowers,
hasds, beight to 6 feet. 25 c to \(\$ \overline{5} .(0\).
Echinocactus Polycephalua, variation from Grand Canyon, scarce, single, in clumps, \(\$ 100\) to \(\$ 5.00\).

Echinocactus Emoryi 5 to \(12-10\). 3 t to 4 to 2558.00 Echinocactus Emoryi. 5 to 12-ía., 3 to 4 Pt.; 25 c. 83.00 Echinocactus Leicandei, 6-in. to 3 It.: 250 to 8310 . Echinocactus Phoeniceus, hardy, clumps. 2 to
Echinocereus Enger plant.
25c per clump.
Ecbinocereua Fend lerl, hardy, beautifulbloom, 25 c . Echinocereus Wiglizeoi, 5 to 12 -in., 25 c to 50 c .
1 to \(2 \mathrm{ft} ., 50 \mathrm{o}\) to \(\$ 2 . \mathrm{E} 0\).
Mamillaria Grabamii, siugle: clumps, 5 c .
Mamillaria Radiosa árizonica, hardy, clumps, ic per plat.
Cpuntia, 25 or more kinds, many hardy. 50 and upwards. Yucca Radiosa, bardy, 25 c to \(\$ 3.00\). Crates and packing material extra at cost price. Plants delivered at poiot of shipment. 10\% discount for orders by the dozen. \(20 \%\) discount for ordera by the three dozen.
CEOREE \& M. J. HOCHDERFFER, Flagatath, Arizons. Collectora of Plants a ad seeds.

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A. M. C. VAN DER ELST, Managiog Director.

Dedemsvaart, (Holland.)
Headquarters for Hardy Perennials (among which are the latest and choicest) 13 acres devoted tor growing this line as Anemane, Aster, Campanula, Delphinium, Funkia Hemerocatis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata, and sufruticosa, Primula, Pyrethrum. Tritoma, Hardy Heath, Hardy Ferns. Also acres Daffodils, 12 acres Conifers, (specialty
young choice varieties to be grown on), 3 acres young choice varities to be grownon), 3 acres
Rhododendrans (also the best American and Rhododendrons (also the best American and
Alpine varieties), 2 acres Hydrangeas. We make Alpine varieties), 2 acres Hydrangeas. We make
it a point to grow all latest novelties in these it a point to grow all la
lines. Ask for catalogue.

\section*{Send to \\ THEMOON}

Company
For 1 Trees, Shrubs, Vines
Your \(\{\) and Small Fruits.
Descriptive Iluatrated Catalogue Free.
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\section*{TREES}

Fruit Trees, Small Frults, Ornamental Trees, Evergreens and Rhrubs, Shade Trees, Mardy
Roses, Itardy Plaoto, Cimbers, etc. The most complete cotlections in this equitry. Gold Niedal-Paris-Pan-A mericanFit Louis, 102 prizes New York State Fnir, 1904.
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The new hardy pereanial. The finest ornamental grasa to be had-perfectly hardy can be used indoors and out, grows rapidly and doea not turn green or run to seed. Strong field-grown
roots, 16 c each by mail, postpaid. roots, 16 c each by mail, postpaid.
\(\$ 1.26\) per dozen; \(\$ 8.00\) per 100 by ex\(\$ 1.26\) per dozen; \(\$ 8.00\) per 100 by express, charges oot prepaid. Can fill orders at an
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James Vick's Sons,
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Wholesale Growers of all kinds NURSERY STOCK.
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\section*{Beautiful Grounds.}

An illustrated Macual contalning suggestions on Lawn Making, Planting and care of Shrubs and Trees, with names and deacriptions of varielige hardy and of merit. Algoinformation regard etc. A book you will often refer to. Sead for it to-day. Free on application.
Pelerson Nursery, 503 w. Pelerson Ave., Chicago.
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Wholesale Growers of turry Fancy nursery atock, pot-grown forcing planta. Lilacs a epecialty. Berlin and Hamburg Valley-the When in Europe plogue
raeries

\section*{Munson Nurseries.}

New catalogue now ready. "Cso't buy trees right without it.' Get it of
T. V. MUNSON a SON, Donison, Tox.

The MUNSON GREENHOUSES. Cut fowers and Bedding Plants for retail trade.

WILL B. MUNSON, Denison, Tex.
GALIFORNIA PRIVET CHEAP
100,000 well grown plants, 3 to 4 feet, selected, \(\$ 4.00\) per 100; \(\$ 25.00\) per 1000 . 24 to 34 feet, 7 or more brs nohes, \(\$ 2.50\) per 100: \(\$ 17.50\) per 1000: 2010 1000. 18 or more branches, 82.00 per 100: 813.00 per 81.50 per 100,8700 per 1000 . All of the above boxed, p. o, b. here. For car or large lots write before placing your orders.

\section*{400,000 ROSES.}

We have a very fine lot of roses in 2-inch pols. Also small Shrubs and Herbaceous Plants. Send for lists.
The Elizabeth Nursery Co. elizabeth, n. J.
B. \& A. SPECIALTIES.

FORCING Plants.
Lilac, Cbas. X, Marie Le Graye, Doz. 100
extra size for 8-9 in. pots....... 8900 \$85.C0
Deutzia Grachis, pot-grown........ \({ }_{1.50}^{60}{ }_{12}{ }^{45.00}\)
-" Lemoinei...grow....... 1.500
Azalea Mollis....
Standard (ige)
pulis.
4.50
9.00
licatum
5.00
600

Lilac, in Standard form
12.00

These are very fine and useful
for decorating.
pielytra Spectabilia.
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Rhododendrons, in variety, well budded........ 8. 80 , 89.60 and \(* 12.00\) per doz.
H. P. ROSES IN ALL VARIETIES.

Gen. Jacqueminot, Mugna Cbarta,
Mrs. Joo. Laing, Baronesa Rothehild,
Ulich Branner, Peonia, and many others \(\$ 10 . c 0\) per \(100 ; \$ 90.00\) per 1000
Maman Cocbet, white and pink, XX atrong
\$10 00 per 100: \(\$ 90.00\) per 1000.
Katserin Aug. Victoria, white.... \(\$ 12.00\) per 100
Gruse an Teplitz, scarlet......... 1200
Hermosa, montbly rose..
12.00

Mme. Francisca Kruger, copper
D warr Crimson or Baby Rambler,
Standard Roses 84.50 per doz...
trandard Roses, ..e4.50 per doz.; 35.00 per 100
Grimsoa Rambler, \(23 / 2-3\) in....... 10.00
10.00
15.60

Baltimore Belle and Prairib
Queen, extra fine............... 10.00
JAPANESE MAPLES.
Purpureum, dissectum, anreum and
atropurpureum.
our grown etock
These are our grown atock, not fresbly
BOBBINK \& ATKINS, Rutheriord, N. J.

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1. NOW

\section*{HARDYSHRUBS,RAMBIERS and AYBRID ROSESS EASTER FORCING}

\section*{Each Doz. 100} DEUTZIA GRACILIS, pot
 DEUTZIALEMOINEI, pot
grown for 7 -inch pots … . to \(350 \quad 2500\) AZALEA MOLLIS, mised kinds, 20 buds.............. . . \(40 \quad 400 \quad 30.00\) RHODODENDRONS, forcing, busby plauts, 8 to 2 buds............... .... 1.001100
For forcing iarge plants,
15 to 25 buds.............. 20020.00
MYDRANGEAS, Otaksa, Red Uiz. 100 Brancbed, Tbos. Hoge Dormant B-yr. old, pot-grown, for forcing. \(500 \quad 35.00\)
CRMSON RAMBLERS, stroug, CRIMSON RAMBLERS, stroug,

DOROTHY PERKINS, strong, \(2-20\)
\begin{tabular}{|c|c|}
\hline GRUSS an TEPLITZ, strong,
year old................................. 00 & 100
15.00 \\
\hline MAMAN COCHET, strong, 2 -year old. & 15.00 \\
\hline HERMOSA, strong, 2 -year old.... 225 & 1600 \\
\hline CLOTHILDE SOUPERT, strong fleld plaats......................... & 10.00 \\
\hline AMERICAN BEAUTY & 1500 \\
\hline KAISERIN AUG. VICTORIA.... 2.50 & 2000 \\
\hline PAUL NEYRON. & \(\because 0.00\) \\
\hline LA FRANCE & 15.00 \\
\hline Anaa de liesbach, Perle des & \\
\hline Blancbes, Capt. Cbristy, Fisher & \\
\hline llolmes, General Jacqueminot. & \\
\hline John Hopper. Mad. Gabrie! & \\
\hline Luizet, Mad. Caroline Testout, & \\
\hline Magnil 'harta, Marshall \(P\). & \\
\hline Wilder, Mrs. Joho Laing, Ullrieb & \\
\hline Bruouer, Etc., all a & 11.00 \\
\hline
\end{tabular}

\section*{VAUGHAN'S SEED STORE, Chicago.}

Greenhouses and Nurseries, Western Springs, III.

Please mention the A merican Flortst when writing


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Aud otber Braad-Leaved EVERGREENS by the car load or in smalle quntlit
Ornemental TREES, SHRUBS and ROSES in great varioly. HERBA. CEOUS PERENNIALS by the thousand.
See our Special Herbaceous Catalogue and Wholesale Trade
bay state nurseries, North Abington, Mass.

\section*{Our Pastimes}

Angouncements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
ment to J. H. Pepper, 429 Six .h ment to J. H. Pepper, 29.5 sth Ave., New phia; or to the American Florist Co., Chicago

\begin{abstract}
"'Hıt's a lot easier to cry down another fellow's work and tell him just how he ort to have did it than 'tis to 'tend to your own an' do it halfmay well.'
\end{abstract}

\section*{At Chicage.}

The Florists' Club bowlers have settled down to hard work. At the Bensinger alleys Tuesday evening the fol lawing scores were made, Bergman tak ing high score in the third game with 206 pins:

\section*{Player.}
C. Balluff
E. F. Winterson.
P. J. Hauswirth

Bergman
J. P. Degnan

Venson
Pasternic
T. Kreitling

Cochran

\section*{At Denver.}

The Florists' league is again busy and the boys are turning out in good numbers. The following scores were recorded at the last session:

TEAM NO. 2.
\begin{tabular}{|c|c|c|c|}
\hline Player. & 1st. & 2nd. & 3 rd \\
\hline Gillis & 107 & 82 & 110 \\
\hline Bush & 139 & 148 & 153 \\
\hline Kennedy & 126 & 148 & 121 \\
\hline Scott & 156 & 119 & 178 \\
\hline Totals & 528 & 497 & 563 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Player. & 1 st. & 2nd. & d. \\
\hline C. Benson & 122 & 159 & 181 \\
\hline C. H1auff & 154 & 156 & 169 \\
\hline Cooper & 127 & 142 & 143 \\
\hline Glauber & 127 & 158 & 143 \\
\hline Totals & 530 & 615 & 636 \\
\hline & team no. 1. & & \\
\hline Player. & 1 st. & 2nd. & 3 rd . \\
\hline Brinkert & 190 & 134 & 156 \\
\hline Reynolds & 109 & 138 & 130 \\
\hline Valentine & 129 & 132 & 147 \\
\hline N. A. Bens & 169 & 191 & 163 \\
\hline Totals & 597 & 585 & 596 \\
\hline & TEAM NO. 3. & & \\
\hline Player. & 1st. & 2nd. & 3rd. \\
\hline Zimmer & 140 & 147 & 138 \\
\hline Kurth & 147 & 140 & 132 \\
\hline Berry & 147 & 146 & 158 \\
\hline Mahon & 194 & 175 & 7 \\
\hline Totals & 628 & 608 & 585 \\
\hline
\end{tabular}

St. Louis.
GROWERS' CLUB.
A meeting of those interested in the organization of the Growers' Club was held February 9, at 911 N. Vandeventer arenue. There were present about twenty-five, all growers of St. Louis and vicinity. Constitution and by-laws were adopted and the organization named the Plant and Cutfower Growers ' Association of St. Louis. A. S. Halstcad, of Belleville, was elected presi dent; James W. Dunford, Jr., of Clayton, Mo., vice-president; E. G. Eggeling, Jr., of St. Louis, treasurer; E. H. Michel, secretary
It was definitely stated that for the present, the objects of the association shall be limited to mutual improvement, through the discussion of practical business subjects and exchange of experiences. Mr. Dunford led a discussion on the expense of operating greenhouses. It was participated in by Mr. Halstead who spoke of the fuel proposition; F . TV. Ude, Jr., on the "Purchasing of

Novelties;" Mr. Winter, on "Water Supply;"'J. Koenig on "Flower Pots" and E. H. Michel on "Help."

It was stated that some criticism had been offered, based on the presumption that this association was organized for the purpose of antagonizing the St. Louis Florists' Club. Some indignation was expressed at the thought that the object of the club should be misconstrued and the members are pledged to refute this statement whenever it is made.

An interested and welcome visitor was James Hartshorne of the Chicago Carnation Company, who also entered into the discussion of fuel proposition. The next meeting of the association will be held on Wednesday afternoon at 3 o 'clock, March 15.

\section*{FLORISTS' CLUB.}

The annual rose meeting of the Florists' Club takes place March 9. The club has offered \(\$ 50\) in prizes. The exhibits will be judged according to the American R'ose Society scale of points. Growers of new varieties are solicited to show their stock and growers of flowers or novelties, plants included, are also invited to participate.

New Haven, Conn.-The New Haven Horticultural Society held its regular meeting February 21. Frank Kimberly read a paper on carnations.

East Orange, N. J.-George Purdue has made an assignment for the benefit of his creditors. His place was located on Main street, nearly opposite the city hall, and on this site his father, Richard Purdue, now retired, started the business in 1861. Joel W. Hatt has been named as assignee. The liabilities will amount to about \(\$ 14,000\), with assets of about \(\$ 7,000\).

\section*{Seasonable Seeds for Florists' Use.}

\section*{VAUGHAN'S ASTERS.}

\section*{"THE CARLSON." The Early Late Variety.}

White, Rose Pink, Lavender, Marquis-Pink, Violet-Blue, Daybreak
 oz. 81.00 .
Braoching or Semple. Best Late Variety.
\begin{tabular}{|c|c|}
\hline White. & Trade Pkt. 10c \\
\hline Lavende & \(340 \mathrm{z}, 20 \mathrm{c}\). \\
\hline Red & Oz., 60c. \\
\hline Purple & Lb., \$6.50. \\
\hline
\end{tabular}

Red.
Purple..
Light blue
viived.... pink............................................................. \({ }^{\text {w } 6.00}\)
Vaudhan's Upridht White Brariching

\section*{NEW EVER-BLOOMING ASTER "IDEAL."}

\section*{Best Early Variety}

This new Aster produces, perhaps, more salable cint flowers to a pan tban any other kind. The plants grow from 16 to 18 inches high and are in blom from the heginaing of August to the end of September ahnost unnterruptedly. In shape the nowers resembie the victoria type, except that the petals are looser so as to give the howers a very graceful appearance Wbite, light blue,dark blue, crinson; each,trade plit.,15e; 1/oz., \(30 \mathrm{c} ;\) oz., \(\$ 1.00\)

\section*{THE NEW CACTUS ASTER PATRICK HENRY.}

This is one of the best white Asters to cut. The plants \(y\) row about 16 inches hight the fluwers are purs white, measure about \(41 / 2\) inches across and are double to the center. The prtais are twisted or rather rolled like those of a Cactus Dahlia, hence its nume. The plants bloom early, about with the r,isut Comet Asters. Pkt., 25 c : 娒 oz .181 .00 . COIBAEA SCANDENS, Trade plit., \(10 \mathrm{C}: \mathrm{Oz}, 40 \mathrm{c} ; 1 \mathrm{~d} ., \mathrm{d} .00\)

\section*{ASPARAGUS PLUMOSUS NANUS.}

Northern Greenhouse-Grown Seed. Per 100 seeds, 60c; 250 seeds, 81.15 ; 1000 seeds, \$4.c0. Price for larger lots on application
Southern Outdoor-Grown Seed. Per 1000 seeds, \(\$ 3.00\); 5000 seeds, \(\$ 12.50\). ASPARAGUS PLUMOSUS ROBUSTUS, NEW. 100 seeds, 81.00 ; 1000 seeds 89.00 .
DECUMBENS. Fine Ior Cut. 100 seeds, \(50 \mathrm{c} ; 1000\) seeds, \(\$ 4.00\).
COMORENSIS. Like a Plumosus, but grows taller and quicker and is darker in color; splendid for cut. 100 seeds, \(\$ 1.00 ; 1000\) seeds, 87.50 .
TENUISSIMUS. 100 seeds, \(81.25 ; 250\) seeds, \(\mathbb{\$ 2} .65\).
SWEET PEAS.
Best Waite-Dorothy Eokford.
Best Lavender-Lady Grisel Hamilton
Best Red-King Edward VII.
Best Pink-Lively.
Best Bright Blue-Mrs. Geo. Higginson,
Best Pink and White-F Norton


RADISII. Scarlet Glohe, Vaughan's Select atock. (1z., 10c; 14 Ib., 20̄c; \(1 \mathrm{~b} ., 70 \mathrm{c}\).
IETTUCE. Black Seeded Simpson, Vaughan's Select stock. Oz., 100 4/4 ib. . 25c: 1b. 80c
Grand Rapids Forcing. Oz., 10c; 44 1b., 30c; \(11 ., 81.00\).
EGG PLANT. N, Y. Improved. Pkt., 5c; 1/ oz., 15c; oz., 25 c . TOMATO.
```

Early Michigan
Cream City.....
Cream City
Nwarf Champion

```

New Stone

Snow White... Plume.
CABBAGE. Early All Head. Oz., 20c: 3 lb ., \(60 \%\),


\section*{THE BEST WHITE CARNATION IS}

\section*{Lieut. Peary (Ward) \\ CERTIFICATED 90 POINTS.}

PEDICREE-White seedlings for several generstions. COLOR-Snow white. FRAGRANCE-Very strong clove, decidedly fresh, sand pleasing. SIZE-Large, sversging 3 inches in dismeter on strong stiff etems, 18 to 20 inches in length. FLOWER-Full, brosd petaled sind high center and of a fine gymmetricsl form. CALYX-Long, strong and does not burst. Fine keeper snd excellent shipper. HABIT-Strong sid erect. GRASS-Medium width. CONSTITUTION-Very the most perfect condition. Commences blooming Octoher 15th sad fowers continuously throughout the Winter, affording an abundsnt crop. A first-class commercial variety in every respect. Now booking orders.

Price, \(\$ 12.00\) per 100; \(\$ 100.00\) per 1000.
COTTAGE GARDENS CO.1, Queens, N. Y.

\section*{ALSO THE FOLLOWING NOW READY:} \(\left.\begin{array}{l}\text { 2,000 THE PRESIDENT......... } \\ 2,000 \text { WHITE LAWSON....... }\end{array}\right\} \begin{aligned} & 860.00 \\ & \text { per } 1000 .\end{aligned}\)
5.000 ENCHANTRESS. 81.00 per 100; 2,000 CHRISTMAS EVE......... \(;\) 2,000 GOLDEN EAGLE, 4.00 per 100.810 per 1000 1,000 HARRY FENN 3300 per 100: 5,000 LAWSON ........ 825.00 per 1000 2,000 PROSPERITY, 82.00 per 100; 815.00 per 1000. 3.000 MACKINAC.

2,000 THE BEELE.
2.000 LADY BOUNTIFÜ
\({ }_{3,000}^{2.000}\) JUDGE HINSDALE
\(\$ 6.00\) per \(1 c_{0}\). 2000 MRS. PATTEN. 850.00 per 1000 2,000 NELSON FISHER 2,000 FLAMINGO.
50 of a kind st 100 rate; 250 of a kind at 1000 rs te.

NEW CARNATION William Penn

A very plessing ssishle shade of pink. I have grown it for five years and it gave me more good sslable flowers than suy other variety up-to-date.
Should be plaoted by every grower of cut Howers if he wants a continuous out of Howers the whole season. Every shoot s flower. I will msil 25 well-rooted cuttiags free of charge for \(8250 ; 810\) per 100; 875 per 1000. 250 for \(818.75 .10,000\) euttings now ready. All orders flled promptly.
FRAKK L, KOHR, Lancaster, Pa, -R. F. D. No. 3--
My Maryland
Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.
Awsided frat-class Certiticate of Merit by the American Carnation Society. Lswson Bronze for 50 blooms. We prediot inst thia variety will easily displace sny other white.
We are booking orders now for delivery January 1906. Price, \(\$ 250\) per dozen; \(\$ 12.00\) per 100: 8100.00 per 1000 . Write us for other new and standsrd vsrieties.
H. WEBER \& SONS, Oakland, Md,

\section*{THE NEW ROSE}

\section*{Wellesley}

\(\square^{5}\)S a Welcome Addition to the List of FORCING ROSES. Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.

Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.
\begin{tabular}{|c|c|c|c|}
\hline & Own Root. & & Grafted. \\
\hline \$ 25 & .. per 100 & \$ 30
\(\$ 70\) & ...ppar 100 \\
\hline \$100 & - . por 500 & \$130 & por 500 \\
\hline \$200 & . par 1000 & \$260 & per 1000 \\
\hline
\end{tabular}

\section*{WABAN ROSE CONSERVATORIES, NATICK, MASS.}

JOHN N. MAY,
Summit, N. J.

\section*{Washington.}

\section*{BUTSNESS IS GOOD.}

The business of the past week was good, dinuers and other social eveuts calling for a large amount of fine stock. There is an increase in both the quality and quantity of cut flowers received from both local growers and outside markets. American Beauty and Bridesmail roses, which have been rather scarce for some time, are coming in more freely. The excellent weather of the past few days has been a boon to local growers and retailers, giving a fresh impetus to all lines of the business. The atmosphere of anticipatiou Which pervades the entire city in view of the approaching inaugural festivities, also permeates the florists' stores, and st fine trade seems to be an assured fact. In one of the leading stores the only doubt expressed was in their ability to secure enough stock to meet all demands, but if the present fine weather continues there seems to lee no cause for alarm on that score. Bulb stock is coming in very fireely, and of fine quality; the jonquils seem at their best and those who like that sort of thing should find delight for their eyes. Hyacinths are quite plentiful and are being effectively displayed in pans. Freesids are being freely used as cut stock, but do not seem to be a success in pans. A great quantity of cut lilac is being used by the decorators; in fact the old lays of "palms, ferns and foliage plants,' \(\quad\) for decorations, are passing away. Your strictly up-to-date decoration must be composed of cut flowers or flowering plants of the finest quality. with just enough green tor effect.
notes.
The violet liouses at Kenilworth, D. C., variously named as the Tuxedo violet honses and liess \& Company were partially destroyed by fire ou the night of February 20. The damago extended to two riolet houses and the boiler room. To illustrate the proverb that misfortunes never come singly, on the same night the residence of Edward 1. Mosley, the manager, who is also the secretary of the Interstate Commevee Commission, was burglarized and two overcoats stolen. Mr. Mosley has the sympathy ot the cratt hereabouts. J. 1I. Small \& Sons are pushing the work on the ball lecorations in the Pen sion building. On Fehruary 25, Gen. Wilson, chairman of the inangural committee, visiterl the hall and expressed satisfaction with the progress already made. These are busy days at Small'3. In addition to this great work they have a rushing store tride, consequently the boy who stops to plity is liable to suef elouds and rain.
A. Cinde \& Pro. have been very busy with linner and other decorations. As seeretary of the liusiness Men's Assoeiation, inaugnration work will make all kinds of business for W. F. Gude.
J. Lonis Loose is showing fine Bridesmaid roses and it fine display of jonquils and hyacinths, grown at his Alexandria rerentuonses
Jinnry Phister has the sympathy of his many asquantances on account of the allness of his estimable wife.

13larkistrme has lacen very busy with Deqorations amm has more in sight for the jresent week.
Naybury \& Ilonver are foing a good business ind handfing a large quantity of fine stack. S. E.

Lady Bountíful. Undoubtedly the best all-arnund white Caroation to Phyllis. Rudd's New Light Pink Carnation; fine shipper and good keeper.
Phylis. \(\$ 12.00\) per \(100 ; \$ 100\) per 1000 .
Chicago White. Rudd's New white. Very productive. Sells well in \(\$ 12.00\) per 100; 8100 per 1000 .
Robert Craíg. Grand Scarlet. Orders hooked now for delivery January,
White LawSOn. White Sport from Mrs. Lawson, and all who grow Mrs.
\(\$ 60.00\) per 1000 .
\begin{tabular}{|c|c|c|}
\hline & Per 100 & 1000 \\
\hline Albatross, white & ... 85.00 & \$10.00 \\
\hline America, red & 175 & 1500 \\
\hline Baston Market, w & 3.00 & 20.00 \\
\hline Cardioal, new scarlet & 12.00 & 100.00 \\
\hline Crisis, new scarlet & 1200 & 100.00 \\
\hline Crusader, red. & 5.00 & 4000 \\
\hline Daheim, crimson & 6.00 & 50.00 \\
\hline Darothy Whitney, yell & 5.00 & 40.00 \\
\hline Eclipse, Dorner s pink. & 1200 & 10000 \\
\hline Enchantress, light piol & 4.00 & 30.00 \\
\hline Estelle, scarlet & 3.00 & 25.00 \\
\hline Flancee, dew (Mar. 1) & 1200 & 100.00 \\
\hline Flamingo, scarlet. . & 600 & 5000 \\
\hline Flora Hill, white & 1.75 & 15.00 \\
\hline Genevieve Lord, light & 1.75 & 15.00 \\
\hline G. H. Crane, scarlet. & 2.50 & 2000 \\
\hline Gov. Wotcoft, white. & 250 & 20.00 \\
\hline
\end{tabular}

Albatross, white ... \(\quad \begin{aligned} & \text { Per } 100 \\ & \$ 5.00 \\ & \$ 1000\end{aligned}\) Hartowarden, crimson...... Per 100 Americas sed..........................
Bosion Market, white..........

Hariowarden, crimson
Indianapalis, pink
Morning Glory, light \(\begin{array}{r}\text {. } 505 \\ \hline . \\ \hline\end{array}\)
 Mrs. Lawson, pin
Mrs. Joost. pink.. 2.00
3.00
1.75 4000
18.00
2500 Mrs. Joost, pant........ 1.75
600 Nelson Fisher, deep pink Prosperity, fancy.
Oueen 600
300 Queen Loulse, white. . . . . . . . . . 1.75
Red Lawson, new red. 1000 Richmond Gem, new scarlet... 10.00 The Belle, white.. . .............. 6.00
```

Vesper, white.....

```
\(\qquad\)
Variegaied Lawson, variegated 1200
\begin{tabular}{ll} 
White Cloud, white \\
White Swan, new white \(\ldots \ldots . .\). & 1.75 \\
10.00 & 1500 \\
\hline 0.00
\end{tabular} VAUGHAN'S SEED STORE, Chicago.

Greenhouses, Wesiern Springs, III.

Please mention the A merican Florist when writing.
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{rlr}
\(\$ 10\) & per & 100 \\
\(\$ 40\) & per & 500 \\
\(\$ 75\) & per & 1000
\end{tabular} & \begin{tabular}{l}
Red Lawson will Bloom \\
3 to I against any other RED Carnation on the market
\end{tabular} & \[
\begin{array}{llr}
\$ 10 & \text { per } & 100 \\
\$ 40 & \text { per } & 500 \\
\$ 75 & \text { per } & 1000
\end{array}
\] \\
\hline \[
\begin{gathered}
8000 \\
\text { BLOOMS } \\
\text { Cut and sold } \\
\text { Xmas } W e e k \\
\text { at } \$ 1.50 \\
\text { per doz. }
\end{gathered}
\] & \begin{tabular}{l}
RED \\
LAWSON
\end{tabular} & \begin{tabular}{l}
8000 \\
BLOOMS \\
Cut and Sold \\
Xmas Week \\
at \(\$ 1.50\) \\
per doz.
\end{tabular} \\
\hline \begin{tabular}{rlr}
\(\$ 10\) & per & 100 \\
\(\$ 40\) & per & 500 \\
\(\$ 75\) & per & 1000
\end{tabular} & \begin{tabular}{l}
50,000 Cuttings Sold \\
and not a word of complaint \\
FINE, STRONG, HEALTHY CUTTINGS
\end{tabular} & \begin{tabular}{llr}
\(\$ 10\) & per & 100 \\
\(\$ 40\) & per & 500 \\
\(\$ 75\) & per & 1000
\end{tabular} \\
\hline \multicolumn{3}{|l|}{W.J.PALMER \& SON, Lancaster, N. Y.} \\
\hline
\end{tabular}

\section*{CARNATIONS.}

All the best varieties of this year's introduction. Also a full list of standard varieties including the famous white

\section*{THE BRIDE.}

JOHN N. MAY, Summit, N. J.

\section*{Successful Growers are Wanted}

To know that they can dispose of all their surolus slock by Advertising in the american florist. TRY IT NOW.

\title{
CARNation CUTTINGS.
}

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST. Per \(100 \quad 1000\)
Lawson. \(\$ 1.50 \$ 12.50\)
Guardian Angel.................... \(1.00 \quad 9.00\)
Enchantress.. \(3.00 \quad 25.00\)
Morning Glory. \(\begin{array}{ll}1.50 & 12.50\end{array}\)
Mrs. Higinbolham. \(\begin{array}{ll}1.25 & 10.00\end{array}\)
Estelle...... ........................... 2.5020 .00
Chicago................................ 2.00 15.00
Adonis................................. 2.5020 .00
Flora Hill............................ \(1.00 \quad 9.00\)
White Cloud......................... \(1.25 \quad 10.00\)
Her Majesty......................... \(1.50 \quad 12.50\)
Harlowarden........................ \(2.00 \quad 15.00\)
Orders Filled Promptly.
WIETOR BROS.
51 Wabash Ave., Chicago.

\section*{Red Sport \\ (OF MACEO.)}

RED SPORT has proved the greatest money aker we ever grew, producing more good bloom o the square foot of bench room ebsa sny other sriety on the place.
conld get but four the first half of January, we ould every RED SPORT fancy Lawsons, but cents each.
Every grower who was bere in December was carried gway with RED SPORT'S possibilities as a future supply of a holly berry red for Cbrigtmas. There is do pick in the blooms; they sre all a uniform size and oolor. There are 40 or 50 thousand buds now showing in the verious stages of development, and there is not a split or off color bloom in the lot, and every plant is the pleture of hesith.
We will plant 20000 RED SPORT for next season's bloomiag, the cut from which is already sold to two of Washington's leading retailers
RED SPORT is an easy doer and every grower
can successiuly grow it. delivery: 12 for \(\$ 1.50\); 25
Price for Februsty 0 , deliter for \(\$ 2.50\); 50 lor \(\$ 4.00\), post paid; \(\$ 6.00\) per 100 ; 850.00 per 1000 .

DHeRn LOUISE the most proftable standard psid; \(\$ 10.00\) per 1000 .

We guaranlee all cutlings to be well rooled
and to arrive in good condition.

\section*{A. B. DAVIS \& SON,}

CARNATION SPECIALISTS,
PuTOB11世in1e, We.

\section*{Carnations ROOTED CUTTINGS.}

Send for price list of all the new and standard sorts.
Wm. Swayne,

\section*{500,000 VERBENAS \(\underset{\text { valifies }}{\text { vol }}\)}

The Largest and Finesi Stock in the Couniry. PERFECTLY HEALTHY- NO RUST.
.60c per 100; \(\quad 8500\) per 1000
Plants, \(2 y_{\text {- }}\)-inch pots
32.50 per 100; 820.00 per 1000
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{3}{|l|}{} & \multicolumn{2}{|l|}{Roote} & Clean
: : : : \\
\hline \multicolumn{3}{|l|}{CRISIS, How Cemmarelal Seariot} & \multicolumn{3}{|l|}{81200 per 100; \(\$ 10000\) per 1000.} \\
\hline & Per 100 & & er 100 & & Per 100 \\
\hline & 8600 & & 86.00 & Buttercup & \\
\hline Judre Hinsdale & 400 & Dorothy Wbit & 3.10 & Prosperity & 2.09 \\
\hline Lady Bountilul & 5.00 & Golden Besuty & & Mrs. J. H. Manl & 2.50 \\
\hline & 1001000 & & 1000 & & 1001000 \\
\hline Wm. Scott. & . 81.25810 .10 & Mrs. Lawson...... \({ }^{\text {de. }} 000\) & 81500 & Mrs. E. A. Nels & 1.50 812.00 \\
\hline Floriana & 1.251000 & Adonis .......... 250 & 2000 & Wbite Cloud.. & \(150 \quad 12.00\) \\
\hline Lorna & \(1.25 \quad 10.00\) & Harry Fend...... 200 & 1500 & Flora Hill & 1.2510 .00 \\
\hline Eldorado & 1.2510 .00 & Gor. Ransevelt.... 1.50 & 12.00 & Portia & 1.2510 .00 \\
\hline Mrs. Joost. & 1.251000 & Mrs. P. Palmer.... 1.25 & 1000 & Queen & 51000 \\
\hline Enchantress.. & 30025 co & The Queen ........ 2.50 & 2000 & Dorothy & \\
\hline
\end{tabular}

60,000 GRAFTED ROSES For Forcing----Finest Grown. Orders booked for dellvery in April, Msy and June
LIBERTY, rose pnts. \(\$ 200\) per 100: 31/8-1nch pots, per 100.............. 318.00
BRIOES, ERIDESMAIOS, COLDEN EATES, KAISERINS, rose pots, per \(100 . .\). . 10.00 SEND FOR PRICE LIST.

\section*{J.L. DILLON, Bloomsburg, Pa.}

Please mention the American Flor ist when worting

\title{
Rooted CARNAION CIIIINGS NOKY REEADY...
}


\section*{LOOMIS FLORAL COMPANY, Loomis, Cal.}


\begin{abstract}
Syracuse, N. Y.
Erilences of an early spring are here and the florists are preparing for their spring work. The weather for the past week has been warm and sunny and trade has picked up wonderfully. Caruation cuttings are ready for sale and P. R. Quinlan \& Company and L. E. Marquisee hare large numbers for sale.
Wheadon \& Hencle had the largest tea decoration of the season last week and distinguished themselves by depart-
\end{abstract} ing from the ordinary. Instead of by the usual ribbons the dining room was shut off by a floral gate which was opened and shut by a girl who held the ribhons which were attached to it. This gate was made to look like the ordinary picket gate and the boty was of smilax. Euchantress carnations were studded through it with very pretty effect. Another innovation was the screening of the musicians by smilax in whip lash form instead of by the usual palm decoration. The smilax was also studded with carmations. The table decorations were striking, the candelabra apparently rising ont of a bed of tulips. P. R. Quinlan \& Company are getting ready to build two more greenhouses at the Calley range, one for American Beauty roses, \(140 \times 30\) feet and the other for plants, \(140 \times 12\) feet. It is probable that by another year the West Genesee street range will be given up and the entire growing department will be installed at the Valley.
The first lyybrid roses in jars of the season have been received by Wheadon \& Hencle. They report a large funeral trade and say that business in gencral is brightening up.
A. J. B.

Wichita, Kax.-Chas. P. Mueller will add three new houses to his range in the spring. Carnations are principally grown but he will go into roses more beavily next season.

\section*{ROOTED}

CUITINGS.
Fine, Clean, Heallhy Slock. Sallslaction Guaranteed.
ROSES
Per 100 Per 1000


\section*{CARNATIONS.}
\begin{tabular}{|c|c|c|}
\hline RED & \multicolumn{2}{|l|}{Per 100 Per 1000} \\
\hline CRUSADER & 85.00 & \$45.00 \\
\hline FLAMINGO & 5.50 & 45.00 \\
\hline ESTELLE & 2.50 & 20.00 \\
\hline \multicolumn{3}{|l|}{PINK} \\
\hline MRS. NELSON & 1.50 & 12.50 \\
\hline MRS. LAWSON & . 1.50 & 12.50 \\
\hline GUARDIAN ANGEL & . 1.00 & 9.00 \\
\hline MRS. JOOST & . 1. 25 & 10.00 \\
\hline GENEVIEVE LORD. & 1.25 & 10.00 \\
\hline ENCHANTRESS, & 3.00 & 25.00 \\
\hline LICHT PINK & 1.00 & 0.00 \\
\hline \multicolumn{3}{|l|}{WHITE} \\
\hline BOSTON MAREET & .. 2.50 & 20.00 \\
\hline PERU & . 1.00 & 9.00 \\
\hline WHITE COUD & . 1.25 & 10.00 \\
\hline QUEEN LOUISE & 1.00 & 9.00 \\
\hline FLORA IlILL & . 1.00 & 9.00 \\
\hline VARIEGATED & & \\
\hline M, A. PATMEN & . 5.50 & 45.00 \\
\hline
\end{tabular}

51 Wabash Ave., CHICACO.

\section*{A Large Stock of Well Rooted CARNATION CUTTINGS}

Selected from Clean, Heallhy stock just the kind you are looking for and at ROCK BOTTOM PRICES as a leader we offer

BOSTON MARKET, \(\$ 1.50\) per 100; \(\$ 15.00\) per 1000.
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{3}{|r|}{Per 100Per 1000} & \multicolumn{3}{|r|}{Per \(\mathbf{1 0 0}\) Per 1000} \\
\hline Stella. & \$2.00 & \$15.00 & Mrs. Ine. & \$1.50 & \$12.00 \\
\hline Mrs. Lawson. & 1.25 & 10.00 & Mrs. Nelso & & 0 \\
\hline Harry Fenn... & 2.00 & 15.00 & Triumph... & 1.50 & 12.00 \\
\hline
\end{tabular} All stock sold with the understanding that if not as represented same is to be returned immediately when money will be cheerfully refunded.

\section*{J. A. BUDLONG, 37 Raniloblh St, CHICABO,}

\section*{Receiver's Sale.}

\section*{CARNATIONS. Clean, healthy Rooted Cuttings.}
\begin{tabular}{llll}
\multicolumn{1}{c}{ RED. } & \multicolumn{1}{c}{ RED. } & PINK. & Queen Louise \\
Manley & Earle & Mrs. Lawson & Flora Hill \\
Mrs. Potter Palmer & America & Mrs. Nelson & VARIEGATED. \\
Mrs. Ine & PlNK. & GuardianAngel & Prosperity \\
Flamingo & Enchantress & WHE. & Armarindy \\
Harlowarden & Mrs. Higinbotham & White Cloud & Her Majesty
\end{tabular}

\section*{ROSES.}

American Beauty, Bridesmaid, Ivory, Liberty, Bride, Golden Gate. Shipped promplly from Greenhouses of MICHAEL WINANDY. Write for prices and terms. EDWIN C. DAY, Receiver, 51 Wabash Ave., Chicago.

CRISIS
This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, \(\$ 12.00\) per \(100 ; \$ 100.00\) per 1000 .

\section*{J. L. DILLON, Bloomsburg. Pa.}

\section*{CARNATIONCUTTINGS}

WELL ROOTED, FROM SELECTED STOCK. NELSON FISHER. ............. 100 Per 1000 MRS. M. A. PATTEN ................ \(6.00 \quad \$ 60.00\) FLAMINGO \(6.00-50.00\) CRUSADER. .......................... \(6.00 \quad 50.00\) D. WHITNEY............................... . . . 5.00 . 40.00 ENCHANTRESS......... ............ 400 30.00 FENN ............................. 300 MANLEY. 3.00 FAIR MAID \(\qquad\)
\(\qquad\)
BACK
BACKER \& CO., Billerica, Mass.
Please mention the 1 men wan Flon st sothen ao ting.

\section*{Nice Clean Stock}

ROOTED CARNATION CUTTINGS. CHEAP. Enchantress, Nelsoo Fisher, M. A. Pattea, Gov. Wolcott, Bostoo Market, White Cloud and Mme. F. oost. Also uarcoted of last two varieties. Prics apon appication.
C. 6. VELIE \& SON, Marlbrought, N. Y. Please montion the Ametran Fion wh ahen witeng.

It is good business palicy to mention the * *
American Florist

\section*{60,000 Grateted RosePlants}

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April 1 st in \(21 / 2^{-}\) inch pots, thoroughly hardened off and ready to shift into \(31 / 2\)-inch, the following:

Per 100
BRIDE. . \(\$ 10.00\)
BRIDESMAID.............................................. 10.00
\begin{tabular}{l|l} 
LA DETROIT............................................................. 12.00 \\
GEN. MacARTHU...........
\end{tabular}
LIBERTY............................................ 12.00

\section*{ROOTED CUTTINGS.}

Guaranteed all side shoots. No tops. READY NOW.
BRIDE, BRIDESMAID............................ \(\$ 1.50\)
CHATENAY........................................... 1.50
LIBERTY............................................. 2.50

CARNATIONS.


Store: 76 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.

\section*{Rooted} Carnation Cuttings.

\section*{CARNATIONS \({ }^{\text {strong Rooted }}\) cutings. \\ WE OFFER FIRST.CLASS STOCK OF THE FINEST VARIETIES.}

Variogated LaVMSOM. Thia variety which we sre introducing this season we Pare lvory white with delicate carmine pencilings. Mr. W. N. Craig, an authority on everything Pare lvory waite with delicate carmine pencilings. Mr. W. N. Craig, an suthority on everything pertalning to horticulture, says that he knows that this varicty will ontbloom the favorite 1 rs. M. \(\$ 12\) der 100; \(\$ 100.00\) per 1000.
REd LANSSOR. A bright red spart of Lawson that is bound tu be popular, and will Capdinat Bright cardinal or crimson acarlet. Won tirst prize for best 100 scariet. first Capdinal. brizht fardinal, or crimson acariot, fornations any oolor, first prize for best 50 scarlet seeding, Chicsgo. \(\$ 1200\) per 100; \(\$ 100.00\) per 1000 .
Fiancee. The queen of pink carnations; In a clasas by itself. Magniffcent flowers; strictiy
Fred. Bupki. Recommended as an extra free-blooming white variety and a claimant
. for popular favor. \(\$ 12.00\) per 100; \(\$ 100.00\) per 1000.
White LawSom. We consider this variety, which we introduced last season, the outbloom any other white two to one it hes given great satiafsotion. When tbe fowers are left on the plants until fully dwo to this will occupy among developed they are much larger than irs. Whos. Wawon does amone pink carnations. Remembar that we are headquarters for it. Splendid stock ready for immediate delivery. \(\$ 7.00\) per 100; \(\$ 60.00\) per 1000 .

LADY BOUNTIFUL. A magniflcent white of
last aeason's intrcduction. \(\$ 6,00\) per 100 ;
\(\$ 50.00\) ner 1000 . \(\$ 50.00\) per 1000.
DAHEIM. Dark crimson. Grand stiff stem. Calyx never bursta. Free rad sbundsat aider this the best all-araund crimson car-
nation. \(\$ 6.00\) per 100; \(\$ 60.00\) per 1000.
MRS. M. A. PATTEN. This grand variegated
earnation has given splendid satisfaction. \(\$ 600\) per 100; \(\$ 50.00\) per 1000 ,
ENCHANTRESS. Freest blooming, bringing highest market prices. \(\$ 4.00^{\circ}\) per \(100^{\circ}\) \(\$ 30.00\) per 1000.
MRS. THOS. W. LAWSON. \(\$ 3.00\) per 100; \(\$ 2000\) per 1000.
PROSPERITY, A magnificent fancy carnastion. \(\$ 3.00\) per 100; \(\$ 2000\) per 1000 We are now prepared to book ordors for 1906 V CTOPY
for THE COMINC SCARLET CARNATION:
This ia a real bread-and-butter variety. An early, free and ahundant bloomer. with good stem; a magnificent keeper and shipper; flowers of the largest siza, oommanding the very highest price. This is going to be a money-maker. Orders will be flled in rotation, as received. Delivery begio ing December next. \$12.00 per \(100 ; \$ 100.00\) per 1000.
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WM. DENN. A promising pink bloomer ever happeued. Fram soil \(\$ 10\) per 100; 25 for \(\$ 2.50\) Quean Loulas, froru soil at \(\$ 1000\) per 1000. Florlana, from soil at 812.50 per 1000.

Big Batch of Cuttings From Sand. Ready March 20. Send lor March price lisi.

\section*{GERANIUMS}

\section*{ROOTED CUTTINGS.}

Next Delivery March 27. \(\$ 10\) and \(\$ 12.50\) per 1000.
100,000 Smilax. 50,000 Sprengeri. 50,000 Plumosus and Robuslus.
Ready June \(1 . \quad\) Send for prices.

Lancaster, Pa.

\section*{The Beautilul PInk Carnalion \\ CANDACE \\ 82.00 per doz. 812.00 per 100; 8100.00 per 10n0. Dissemination 1906 . Eariy commercial. \\ INDIANAPOLIS FLOWER \& PLANT CO., I Indianadolls, JOHN HARTJE............................... Ind.}

\section*{FLAMINGO}

Rooted Cuttings now ready, \(\$ 6.00\) per 100; \(\$ 50.00\) per 1000. Cash with order from unknown parties.
L. E. MARQUISEE, Syracuse, N. Y. CARNATIONS rooted cuttincs.

Per 100 Per 1000 The Queen ................................... \(\$ 2.00\) Per 1000 Estelle. 22.00
2.00
\(\begin{array}{r}15.00 \\ 15.00 \\ \hline\end{array}\) Flamingo
E. H. BLAMEUSER, Niles Center, III.

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American Florist Co.:-I would rather go to bed without my supper than go without the American Florist. Montreal, Can. John Walsif.

\section*{CARNATIONS}

\section*{WHITE LAWSON.}

The king of white sorts. A strong grower and a free bloomer. We Have
5000 ready to be shipped. All orders will be filled in rotation. \(\$ 7.00\) per \(100 ; \$ 60.00\) per 1000.
\begin{tabular}{rr} 
Per 100 & 1000 \\
.\(\$ 7.00\) & \(\$ 60.00\) \\
.6 .00 & 50.00 \\
.7 .00 & 60.00 \\
. & 6.00 \\
.80 .00 \\
. & 3.50 \\
2.50 & 20.00 \\
2.50 & 20.00 \\
.2 .00 & 18.00 \\
.2 .00 & 15.00 \\
.2 .00 & 1.00 \\
.3 .00 & 2500 \\
.1 .50 & 12.00 \\
.150 & 12.00 \\
.1 .50 & 12.00
\end{tabular}

CRAFTED ROSES.
We are now booking orders for future delivery. Write for prices
WOOD BROS, Fishkill, N. Y.
Arease menttor the Ameracan Flon ast when writing.
Wm. P. Craig
plants, Bulbs and Seeds.
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Please mention the American Florist whenzeriting.

New Orleans.
Business has been entirely paralyzed by the weather during the last three weeks; the winter of 1905 will be remembered as one of the severest we have had for several years. The florists were well prepared and little damage was done to their stock. Private gardens were heavily touched by the frost

At the last mecting of the New Orleans Horticultural Society it was clecided that a flower show of chrysanthemums and other plants will be given during mext November. The committee on prizes to be awarded to private gardens made its report. Owing to the bad weather the work has been delayed. The firm of MeGregor Brothers, of Springfeld, O., sent a check of \(\$ 15\) to be given as a prize for the competition of the lest kept garden in New Orleans. A few members complained about the way they have been treated by shippers from the north, esperially with line of cut flowers receised from the west. When received and after they had been paid, C. O. D., without any inspection being allowed, the stock was foumd entirely worthless. In many instances it could] be easily spen that the flowers hal been shipped in bad condition, some American Beanty roses coming purple for having been kept too long ou ice. A committee was appointed to act in the matter.
M. M. L.

\section*{Lenox, Mass.}

The regular meeting of the Lenox Horticultural Society was held Saturday February 18. Presideut R. A. Schmid was in the chajr. The Housatonic Agricultural Society held an institute with the Lenox society and introduced Prof. Geo. E. Stonc of Amherst, who gave a public lecture on "The Relation of Science to Agriculture." Prof. Stonc dealt chiefly on the experiments they are making at Amherst, and was very interesting.

> G. F.

\section*{—UNROOTED—— \\ GARNATIN GHTHES}

The following at \(\$ 8\) per 100; \(\$ 25\) per 1000 \(\begin{array}{cc}\begin{array}{c}\text { White Lawson } \\ \text { Flamingo } \\ \text { Lady Bountiful }\end{array} & \begin{array}{c}\text { M.s. A. Patt }\end{array} \\ \text { The Fisher }\end{array}\) The followlag at \(\$ 2\) per \(100 ; \$ 15\) per 1000 Enchantrese Boatoo Market

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\section*{THE BEST. NOW READY.}


JOLIET, ILLINOIS.
 to-dav. 810.00 per 100; \(\$ 40.00\) per 500; \(\$ 75.00\)

Also Per \(100 \quad 1000\)
Enchantress....... 1001 Enchantress........ \(\$ 401 \$ 3000\) Lawson............. 1.501250 Joost ........... 1.2510 .00 Marquis.............. \(1.25 \quad 10.00\)

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Prosperity........... \(81.50 \$ 1250\) The price io.... 2001500 quality csonot be gigh. The


CARNATIONS.
Genevieve Lord, Apollo, Lawson, Fair Maid. Mrs. Patten, Enchantress, Gen. Gomez, Golden Gale,
\(\mathbf{W}^{E}\) offer Rooted Cuttings of the above at low. Cuttings market rates. All hrat-class etock. Cuttings are carefully aelecten Monph call opecial authtive to the coming ted rose, Priose on appllation.

POINSETTIAS, 1-yr-old, \(\$ 5\) per 100.
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Out of \(25 / 4\)-inch pols.
Ready tor delivery March 20.
BRIDE ..................... \(\$ 12.00\)
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Out of \(31 / 2\)-inch pols.
For April and May Delivery.
Per 100
BRIDE ......................... . \(\$ 15.00\)
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Order by mail of from our salesman, Bernard McGinty, 1 A Park St., Boston, Mass.
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GREENHOUSES,

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Montrose, Mass.
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WHITE LAWSON . . . . . . . . . . . . . . . 8810858000
................. 6.0050 .00
GNCHANTRES \(\begin{array}{ll}6.00 & 50.00 \\ 3.00 & 25.00\end{array}\)
CARDINAL, from 2 -inch pota....... 12.00
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Order now, the TELEGRAPH GERANIUM. Will make money faster than any plant you may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell may handee this season. A prize winner and over. Pronounced the hive to \(\$ 3.00\) per doz., and give to your establisnment.

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SALVIAS-Bonfire and S. Louis, the two best of \(\$ 800\) per 1000 .
ALTERNANTHERAS 70,000 red sud yellow, Sept. struck, equal to \({ }^{2}\) :-
in: these are tne; 60 c in; these gre tine; 60 C
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SWEET ALYSSUM-Our big double giant, 81.00 per 100: \(\$ 8.00\) per 1000
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We prepay express charges on sll rooted cuttings, and guarantee gatisfaction and safe arrival. Write for prices on large lote; also send for list of rooted cuttings.
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Fide large transplanted plants. prize strain of the famous large fowering Bugnots, Casslers, Odier and Trimardeau. Stocky plants from cold frame, 500 per \(100 ; 83.00\) per 1000 . Extra isarge plants coming in bud, \(\$ 1.00\) per 100: \(\$ 900\) ner 10co
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Agparagus Plumosus Nanus from fists. ready for Asparagus Plumosus Nat \({ }^{2} 20\) per 100 ; 3 -in. resdy for 4 -id., \(\$ 3.00\) per 100 Plants by the lio mailed iree.
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Large fowering, 60c per 100; 82.50 per 1000 . Per 100 Asp. Plumosus Nenue, small plents to close 1.75 10 Vars Cnraniums, \(21 / 3\) pots and 2 -in. pots 300 Altsrnentherae, red sod yellow, March l..... 2.00 10 Vers. Cojoul, 2-in. pots, March l........ 2.00

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JOS. H. CUNHIMGHAM, Delaware, 0 .

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Fine plante, lancy colore, large flowering Large plante la bud and bloom, \(\$ 1.00\) per 100 . Medlum size for cold frames, \(\$ 3.50\) per \(1000 ; 600\)
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Indistinct colors or mixed. Streng trensplanted in bud, \(\$ 1.25\) per 100; 810.60 per 1000; 3,000 for \(2250^{10}\)

Peonies In fine sssortment, Distinct oolors my 11 td
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Cincrarias from Lenary's prize show fowColorg and era saved, giant-flowered, finest colors sind shades, dwarf or semi-dwarf, makes
fine selling olants for Esster; 3-in., resdy for \(5-\) fine sellipg olsats for Esster;
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Notice-Lowest prices on good stock. All howing buds aod can be forced into bloom
Spiraea Compacla, Floribunda, Japonica. all s. larye plants. 6-inch pots, \(\$ 200\) per doz. Gladstone, rom \(8300,84 . \operatorname{coto} 85\). (0 per doz. Azalea indica, have ,50 Mad. Van der Cruyssen, ss round as an apple, covered with buds, \(75 \mathrm{c}, \$ 1.00,81.25\) to \(\$ 150\) each. 75 c , 1.00 , \(\$ 1\) es to 81.50 each. Lilium Harriai snd Japan Muftiforum, 6 -inch pots. Irom 3 buds up, 10c Japan Muftiforum, 6-inch pots. from 3 buds up, ioc pots, 8250 per doz. Hidrangea Olaksa. 6-1nch pots. \(\$ 300\) to 84 co per doz. 7 -1nch pots, 75 c esch Cineraria Hyb.. 6-inch pots, \(\$ 2.00\) to \(\$ 300\) per doz.; 4 to 5 nech pots, \(\$ 1.25\) per doz. Begonia, Pres Carnot, Flambeau and others, filnch pots, \(\$ 250\) per doz. Roses. Americsn Beauty, large G-inch pots, \(40 \mathrm{c}:\) Brides, Kaiserin, Hermosa snd other hybrids, \(51 / 2\)-inch pots, 25 to 30 c each Hyacinths, flrst grze, 4-inch pots, sll shades, \(\$ 10.00\) per 100 . Dbl. Tulips, 'lournesol. 3 bulbs in a 4 -inch prt, \(\$ 1.50\) per dozen pots. Daffodils, Von Sion, double nosed, 6 -inch pots, 3 in 8 pot, , 00 per doz. All bulbs dormant in cold frame,
Araucaria Excelsa, 7 -inch, 5 to 6 tiers, 25 to 30 Arducaria Excelsa, 7 -jeh, 5 to 6 ters, 5 to 25 to 34 inches high 8 to 7 -inch pols, 86.00 to \(\$ 7.00\) per doz. Primula Obconica, 54-inch pota, full of howers. 82.00 per doz.
I am the Moon Vine grower of the land. 10,000 now resdy in \(91 / 2\)-inch pots of \(A\). W. Smith's ipomea Hortiflora, purest large white Moon Vine iu the worlo. Price, 85.00 per 100.
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Versohaffeltli, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Qupen Viotoris and Fsncies, 600 per 100; \(\$ 500\) per 1000
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ASPARACUS PLUMOSUS NANUS, ESTRS ASP. SPRENGERI, 2-inch, \(\$ 1.75\) per 100.
HARDY PINKS, large fleld-gwown, 5 sorts, 34 ye . UMBRELLA PLANTS. \(2-\mathrm{in}\). Ane, 2 c .
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Rooted Cuttings, per 100, prepaid: Hollolrope, 8100 . Ageratum, white, Gurdey, Psuline, 50c. Solvie, Splendens, Bonifr, Silverspot, 90c; 88.00 per 1000 , Fuohsia, 5 best vsrieties, \(\$ 1.25\).
Hardy Pinks, 7 vsrieties, some everblooming,
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We Want Mors Room lor Large Importations.
Cyprlpedium Inoione, 5,0n0 established u
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Dendroblum Formosum Cigsntoum, The florists' white orch d, estsblighed plants, 8 to 10 bulbs. 9200 per 12 ; \(\$ 20\), ro per 1 c 0 .
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KENTIAS, Aa fing a lot of single snd maderap plants as ever grown, 4-1n., 5-1n., 6-in., 7-in., sud 8-In. pots, st \(200,35 \mathrm{c}, 750,81.50\) to 83.00 e8ch.
ORACAENA INDIVISA, \(8,4,5-1\) oh \(, ~ \$ 0.00, ~\)
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ASPARAOUS PLUMOSUS, 2 and \(8-1 n ., 84.00\) and 88.00 per 100 .

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GERANJUMS. Jesn Visud, S. A. Nutt, Csstellane, John Doyle, Parkins. Single snd Double Gen. Grant, Ls Fsporite, 2-in pols. 82.50 per 100 Unrooted cuttings of CARNATIONS. The best sud chespest way to buy them. Queed Louise Portia, Crooker, Goodenough, 00 per 100 . Lawson
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in easter lilies, hYDRANGEAS, GENISTAS, SPIRAEA GLADSTONE, RHODODENDRONS.

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\section*{Groton, Conn.}

The New Loniou Horticultural Society which disbanded some time ago has been succeeded by the New Lon-don-Groton Horticultural Society Which was formed about three months ago and unmbers now over 100 members. The society meets every two weeks. The following are the officers for the current year: President, Thomas W. Head; rice-president, Chas. D. Gallagher; recording secretary Louis A. Giger; financial secretar Frank E. Gledhill; treasurer, John P Silre; librarian, John Archer. Executive committee, John Malloney, John Archer, Edward W. Clark, Alfired Hunt Otto F. Ernst. Show committee, John Archer, Louis A. Giger, Edward W Clark, David Gordon, Albert Lawson.

\section*{н.}

Calla, O.-R. L. Templin \& Son formerly owners and managers of the Templin greenhouses, but who recently moved to Cleveland, where they engaged in the music store business, have dis solved partnership.
Muskegox, Mcit.--The Muskegon Horticultural Societr held its regular meeting Fehruary 25. S. A. Aldrich and G. A. Whitbeck were appointed to draft suitable resolutions ou the death of President James H. Whitney.

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Asparagus Sprengeri. Bushy plants, well for a shift, from \(21 / 2\)-inch pots, \(\$ 3.00\) per 100 ; 3 -inch pots, 85.00 per 100 .
Feverfew. (Matricaria) Littio Gom, dwarf, best of all. From 2y-inch pots, 22.50 por 100 Violet Princess of Wales. Thrifty, fall stock from flats, \(\$ 2.50\) per 100 . Rropaged outtings, 81.25 per 100.
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The Live Orchid Importers are constantly receiving importations of the flnest character. Thoy Sollelt Enquirlos. Brazilian Species shipped in bulk ex Brazilian Port. Cattleya Mossiz c. Jabiata. C. Warnerit. Lælia tenebrosa now arriving in perfect, leafy, dormant condition.

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Per 100
FESTIVA MAXIMA . \(\$ 35.00\)
WHITE (generaty callied Queen Vichoria) 9.00 blooming variaty
For 1000 rates and other varieties, write
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Feb. 7 and 21, and Mareh 7 and 21, THE WABASH
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The beautiful new white is stlll queen of the world, strong 00 , \(\$ 1000\) pe 100.

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TINY PLANTS, in 2 and 3-in. decorated Japanese pota, \(\$ 15.00, \$ 20.00\) and \(\$ 25.00\) per 100 . RHAPIS, 5 to 15 ghoots, 50 cents each.

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Plante from \(24-1 \mathrm{~A}\). pots, 8250 per 100: \(\$ 20\) per 1000 .
Thesa are all good standard varieties. Only strong healthy plants used for stock. All cuttings and plants gusranteed strictly up in quality.
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\begin{abstract}
Louisville.
Last week containing several nice days made business satisfactory in every respect. The change in weather was a much appreciated one, as what we have been having was severely cold. Roses are supplied about equal to the demand, while the quality has not
\end{abstract} improved very much. The demand has been very good. The quality of carnations is good, while the quantity is also a great deal more satisfactory. The demand has been unusually good. The wholesale price realized on some of the stock recently has been rather low. The demand for violets has been heavy, while the quantity and quality were upheld very well. Lily of the valley of very good quality is coming in, in quantities equal to the demand. Mignonette and sweet peas are very slow in quantity, and the quality too is not very good and the demand has been slow. Freesias are plentiful. The demand for bulbous stock has been very good. Green goods are scarce.
The regular monthly meeting. of the Kentucky Soeiety of Florists will be held Tuesday night, March 7, at Nanz \& Neuner's Fourth avenue store. Carnation and rose night will be in order, many outside exhibits being looked for, while the locals are also requested to bring anything they may have.

Visitor: Mr. Rose, of The J. W. Sefton Manufacturing Co., Anderson, Ind.
F. L. S.

Winnipeg, Man.-The Western Agricultural Society's executive committee held a meeting February 16, and decided to carry out the annual distribution of plants as premiums among members this spring.

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FOR HEATING ANY DESCRIPTION OR BUILDING BY STEAM OR HOT WATER GURNEM MBATE
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Achyranthes-Red leaved oniy, 300 lants, \(21 / 2-i n ., \$ 2\) per 100 .
Zion Horticulturai Supply, Zion City, Zion
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Ageratums-Ageratum, rooted cuttIngs, Gurney, Pauline 50c per 100 .
} Byer Bros., Chambersburg, Pa.
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John Brod, Niles Center, Ill.
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Geo. M. Emmans, Newton, N. J.
Asparagus-Asparagus plumosus nanus.
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H. Foster, 45 King St., Dorchester, Mass.
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Asparagus Sprengeri- 200 strong, 4. \(\$ 4\) per 100 .
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Canna-Nolthern grown canna, Fioronce Vaughan, P. Marquandi, C. Henderson, Alphonse Bouvier, Robusta, Mme. Beaute Poitevine, Leo Vaughandale \(Q\) Beaute Poitevine, Leo Vaughan, Q. David Harum, Pres. Carnot, Pres. Mc David Harum, Pres, Carnot, Pres. Mc hiniey,
Black Prince, \(\$ 8\) per 100 . Mixed, dwari Black Prince, \(\$ 8\) per 100 . Mixed, dwarf Bobbink \& Atkins, Rutherford, N. J.
Carnation-Wm, Penn, a promising novelty, at \(\$ 10\) per 100 , 25 for \(\$ 2.50\); Queen Louise at \(\$ 10\) per 1,000 ; Floriana at \(\$ 12.50\) per 1,000 . Big batch of cuttings from sand ready March 20 . Send for March price list.

Aibert M. Herr. Lancaster, Pa.
Carnation-Rooted carnation cutper 1,000: Flamingo, \(\$ 6\) per \(100, \$ 50\) pe 1,000; Enchantress, \(\$ 3\) per 100, \(\$ 25\) per 1,000; The Queen, \(\$ 2.50\) per \(100, \$ 20\) per 1,000; Cardinal from 2-in. pots, \(\$ 12\) per 100.
\(\underset{\mathbf{N} .}{\mathrm{La}} \mathrm{Y}\). Nurseries. Larchmont,
Carnation- 150,000 rooted cuttings. Unrooted cuttings, half price. Queen Loulse, \(\$ 1\) per 100, \(\$ 10\) per 1,000; Amerl ca, \(\$ 1\) per \(100, \$ 10\) per 1,\(000 ;\) G. H. Crane, \(\$ 1\) per \(100, \$ 10\) per 1,000 . Eldorado, \(\$ 1.20\) per \(100, \$ 10\) per 1,000 , Marshall Field, \(\$ 1.40\) per 100 , \(\$ 12.50\) per 1,000; Armazindy, \(\$ 1\) per 100. \(\$ 10\) per 1,000; Mrs. Joost, \(\$ 1\) per 100, \(\$ 10\) per 1,000 ; Mrs. T. W. Lawson, \(\$ 1.40\) per 100 \(\$ 12.50\) per 1,000 ; Pres. Mckinley, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000 ; Success, \(\$ 1\) per 100, \(\$ 10\) per 1,000; Harlowarden, \(\$ 1.40\) per 100, \$12.50 per 1,000

Hermitage Carnation Co., Loomis, Cal.
Carnation-Crisis (new), \(\$ 12\) per 100; Mrs. Patten, \(\$ 6\) per \(100 ;\) Judge Hinsdale, \(\$ 4\) per 100 ; Lady Bountiful, \(\$ 5\) per 100 : Buttercup, \(\$ 3\) per 100; Fla \(\$ 5\) per 100; Buttercup, \$3 per 100; Fla mingo, \(\$ 6\) per 100; Dorothy Whitney \(\$ 3\) per 100; Grolden Beauty, \$3 per 100
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J. L. Dillon, Bioomsburg, Pa.

Carnation-Red Lawson, at \(\$ 1.50\) per doz., \(\$ 10\) per 100; \(\$ 40\) per 500; \(\$ 75\) per 1,000
W. J. Palmer \& Son, Lancaster, N. Y.

Carnation-Carnation Bride, \(\$ 6\) per 100; \(\$ 50\) per 1,000; Phyllis, \(\$ 12\) per 100 ; \(\$ 100\) per 1,000 .

John N. May, Summit, N. J.
Carnation-Wolcott. White Cloud, Norway, Lawson, Morning Glory, Mrs. Joost at \$12.50 per 1,000, Enchantress and Estelie, \(\$ 25\) ner 1,000; Flamingo, \(\$ 50\), and Crisader, \(\$ 40\) per 1,000 ; America and Prosperits \$ 12.50 per 1,000 Garety, \(\$ 15\) perr 1,000. Ail plants shipped from greenhouses, Jinsdale, Ili,

Bassett \& Washburn, 76 Wabash Ave.,
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Carnation-Carnation cuttings, unrooted. The following at \(\$ 3\) per \(100, \$ 25\) per 1,000, White Lawson, Flamingo Lady Bountiful, Mrs. M. A. Patten, Nel son Fisher, Crusader. The following at \(\$ 2\) per 100, \(\$ 15\) per 1,000; Enchantress

Imperial Greenhouses, Utica. N. Y.

Carnation-Rooted cuttings, ready now. Write for price list. Carnation-The Bride, \$6 per 100 . \(\$ 50\) per 1,000

John N. May, Summit, N. J.
Carnation-Crisis, \(\$ 12\) per \(100, \$ 100\) per 1,000 . J. L. Dlllon, Bloomsburg, Pa.

Carnation-Rooted cuttings. Quallty our hobby. Lawson, \(\$ 1.50\) per \(100, \$ 12\) per 1,000; Mme. Joost, \$1.25 per 100, \$10 per 1,000; Marquis, \(\$ 1.25\) per 100, \$10 per 1,000; White Cloud, \(\$ 1.50\) per 100 , \(\$ 12.50\) per 1,000; Prosperity, \(\$ 1.50\) per 100, \$12.50 per 1,000; Estelle, \$2 per 100, \(\$ 15\) per 1,000; Enchantress, \$4 per 100, \(\$ 30\) per 1,\(000 ;\) B. Market, \(\$ 2.50\) per 100, 100, \(\$ 10\) per 1,000; Flora Hill, \(\$ 1.25\) per \(100, \$ 10\) per 1,000 ; Flora Hill, \(\$ 1.25\) per
100 , \(\$ 20\) per 1,000 .

\section*{w. C. Hili Flora}

Carnation-Unrooted carnation cutlings, Queen Louise, Portia, Crocker, 100 enough, 50 c per 100 Lawson, \(\$ 1\) per per 1,000. Cash with order.

George M. Emmans, Newton, N. J.
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eter Rejnberg, 51 Wabash Ave., Chicago, Ill.
Carnation-Rooted cuttings: Nelson Fisher, \(\$ 7\) per 100, \(\$ 60\) per 1,000; Mrs. M, A. Patten, \(\$ 6\) per 100, \(\$ 50\) per 1,000 ; Boston Market, \(\$ 3\) per 100 , \(\$ 20\) per 1,000 .

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Wm. Swayne, Box 226. \\ Square Sayne, Box 226, Kennett}
iladelphia, Pa
Carnation-Rooted carnation cuttings now ready. White Lawson, Fiamingo, Lady Bountiful, Mrs. M. A. Patten, Nelson Fisher, Albatross at \(\$ 5\) per \(100, \$ 40\) per 1,000. Enchantress, Boston Market, \(\$ 25\) per 1,000.

Imperial Greenhouses, Utica, N. Y.
Carnation-Carnation cuttings. The best now ready. Lady Bountiful, \(\$ 6\) per
100; \(\$ 50\) per 1,000 . White Lawson, \(\$ 6\) \(\begin{array}{llll}100 ; \\ \text { per } 100 ; & \$ 50 & \text { per } 1,000 \text {. White Lawson, } \$ 6 \\ \text { phe Eelle, } \\ \$ 5\end{array}\) ner 100: \(\$ 40\) per 1,000. Moonlight, \(\$ 4\) per \(100 ; \$ 30\) per 1,000 . Crusader. \(\$ 5\) per 100 : \(\$ 40^{\prime}\) per 1,000. Fiamingo, \(\$ 5\) per 100 : \(\$ 10\) per 1,000. Cardinal, \(\$ 12\) per 100;
\(\$ 100\) per 1,000. Hariowarden. \(\$ 2\) per \(100 \%\) \(\$ 100\) per 1,000. IIariowarden, \$2 per \(100 ;\)
\(\$ 15\) per 1,000. Enchantress, 3 per 100 : \(\$ 15\) per 1,000. Enchantress, \(\$ 3\) per \(100 ;\)
\(\$ 25\) per 1,000. Nrs. Lawsnn, 8 per 100 per
 100 per \(1,000\). M. A. Patten, \(\$ 0\) per \(100:\)
 1,001, Prosperity, 2 par 100; \(\$ 15\) per 1,000

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Carnation-Fred Burki. All orders booked now are for Marci delivery.
John Murchle, Silaron, Pa.

Carnation-My Maryland, delivery January \(1906, \$ 2.50\) per doz., \(\$ 12\) per
\(100, \$ 100\) per 1,000 . Write us for other H. Weber \& Sons, Oakland. Md.

Carnation-Carnation Fred Burki. All orders booked now are for March de llvery. S. Skldelsky, Philadelphla, Pa . \(. ~ . ~\) Carnation-Flamingo, rooted cuttings
now ready, \(\$ 6\) per \(100 ; \$ 50\) per 1,000 . Cash with order from unknown parties. - Carnation-Carnation rooted cuttings The Queen, Estelle. \(\$ 2\) per \(100 ; \$ 15\) per 1,000. Flamingo, \(\$ 3\) per 100; \(\$ 25\) per \({ }^{1,000}\) F. H. Blaumeuser, Niles Center, IIl.
Carnation-Rooted cuttings. Crusader \(\$ 5\) per 100, \(\$ 45\) per 1,000; Flamingo, \(\$ 5.50\) per \(100, \$ 45\) per 1,\(000 ;\) Estelle, \(\$ 1.50\) per
\(100, \$ 12.50\) per 1,\(000 ;\) Enchantress, \(\$ 3\) per \(100, \$ 12.50\) per 1,000 ; Enchantress, \(\$ 3\) per \(100, \$ 0\). per \(1.900 ;\) Nelson Fisher, \(\$ 6.50\) per 100, 12.50 per 1,000; Mrs. Lawson \(\$ 1.50\) per \(100, \$ 12.50\) per 1,\(000 ;\) Guardian Angel, \(\$ 1\) per \(100, \$ 9\) per 1,\(000 ;\) Gene-
vieve Lord,
\(\$ 1.25\)
per
\(100, ~ \$ 10\)
per
1,000 ; vieve Lord, \(\$ 1.25\) per \(100, \$ 10\) per 1,000
Mirs. Joost, \(\$ 1.25\) per \(100, \$ 10\) per 1,\(000 ;\) Mrs. Joost, \(\$ 1.25\) per \(100, \$ 10\) per 1,\(000 ;\)
Boston Market, \(\$ 2.50\) per \(100, \$ 20\) per White Cloud, \(\$ 1,25\) per 100 per \(\$ 10\) per 1,000; Gueen Louise, \(\$ 1\) per \(100, \$ 9\) per 1,000; Mrs. Higinbotham, \(\$ 1\) per \(100, \$ 9\) per 1,000

Geo. Reinbers. 51 Wabash Ave., Chi-
Carnation-Carnation cuttings.
Boston Market, \(\$ 1.50\) per 100, \(\$ 15\) per 1,000 Mrs. Lawson, \(\$ 1.25\) per \(100, \$ 10\) per \(\$ 15\) per 1.000: Foosevelt, Mrs. Ine, Murs Nelson. Triumph, \(\$ 1.50\) per 100, \(\$ 12\) per
1,\(000 ;\) Flora Hill, Guardian Angel, \(\$ 1\) per 100, \(\$ 0\) A. Per 1.040. 37 Randolph St., Cbi-

\section*{cago.}

Carnation- Yictory to be disseminated, \(1906, \$ 12\) per \(100, \$ 100\) per \(1,000,250\) at 1,000 rate. Place orders for rooted cuttings: White Lawson, \(\$ 6\) per 100; Nelson Fisher, \(\$ 6 \mathrm{per} 100\), Mrs. Patten, \(\$ 6\) per 100; Enchantress, \$3 per 100; Prosperity, \(\$ 2.50\) per 100; The Belle, \(\$ 6\) per
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100 . Five per cent discount for cash with order. Address all correspondence to

Alex. J. Guttman, 52 W. 29 th St., New
Carnation-Carnation cuttings; well rooted, taken from selected stock, clean and healthy. Lawson, \(\$ 1.50\) per 100 , \(\$ 12.50\) per 1,000; Guardian Angel, \(\$ 1\) per 100, \$9 per 1,000; Enchantress, \$3 per per 100 , \(\$ 12.50\) per 1,000 : Mrs. Higin botham, \(\$ 1.25\) per 100 , \(\$ 10\) per 1.000 Estelle, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 Cbicago. \$2 per 100 , \(\$ 15\) per 1,000 : Adon is, \(\$ 2.50\) per \(100, \$ 20\) per 1,000 ; Flora Hill, \(\$ 1\) per 100, \(\$ 9\) per 1,000; Whit Cloud, \(\$ 1.25\) per \(100, \$ 10\) per 1,000 ; Her Majesty, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 ; Harlowarden, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000.

Wietor Bros., 51 Wabash Ave., Chicago. 111.
Carnation-Rooted carnation cuttings Enchantress, \(\$ 3\) per 100, \(\$ 25\) per 1,000 ; \(\underset{1,000 ;}{ }\) Fair Mald, \(\$ 2.50\) per \({ }_{\text {Glow, }}^{100,} \$ 20\) per 1,000 : Alpine Glow, \(\$ 2.50\) per 100 ,
\(\$ 20\) per 1,\(000 ;\)
Lawson,
\(\$ 2\) \(\begin{array}{llll}\$ 20 & \text { per } 1,000 ; & \text { Lawson, } \$ 2 & \text { per } \\ \$ 15 & \text { per } 1,000, \\ \text { Nelson, } \\ \$ 2 & \text { per } \\ \mathbf{1 0 0}\end{array}\) \(\$ 15\) per 1,000 ; Nelson, \(\$ 2\) per 100,
\(\$ 15\) per 1,000 , Queen, \(\$ 2.50\) per \(100, ~ \$ 20\) per 1,000; Queen Loulse, \(\$ 2\) per \(100, \$ 15\) per 1,000; Boston Market, \(\$ 2.50\) per 100 \(\$ 20\) per 1,000 ; Marlon, \(\$ 2\) per \(100, \$ 15\) per 1,000; Flamingo, \(\$ 6\) per 100 ; Crusader, \(\$ 6\) per 100:Crane, \(\$ 2\) per 100 , \(\$ 15\) per 1,000 Mrs. Patten, \(\$\) per 100; Prosperity, \(\$ 2.50\)
per \(100, \$ 20\) per 1,000; Harlowarden, \(\$ 3\) per \(100, \$ 20\) per 1,000 ,
per \(100, \$ 25\) per 1,000 .
de Niessen Co., 1217 Arch St.

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Carnation-Red Sport (of Maceo) 12 for \(\$ 1.50,25\) for \(\$ 2.50,50\) for \(\$ 4.00\), post1,000.
A. B. Davis \& Son, Carnation Spe-

Carnatlon-New carnation Villiam Penn, a seedling of Scott and McGowan.
Price, \(\$ 10\) per \(100 ; 25\) at 100 rates; \(\$ 75\) Price, \(\$ 10\) per 100; 25 at 100 rates; \(\$ 75\)
per 1,000 at 1,000 rates. No. 3, Lan-
Frank I. Knhr. R. F. D. No.

Carnation-Rooted carnation cuttings, White Lawson, 5,000 ready to be shipped, \(\$ 7\) per 100, \(\$ 60\) per 1,000 ; Lady Bountiful, \(\$ 7\) per 100, \(\$ 60\) per 1,000 ; Mrs. M. A. Patten, \(\$ 6\) per 100, \({ }^{\$ 50}\) per
1,\(000 ;\) Nelson Fisher, \(\$ 7\) per 100 , \(\$ 50\) per 1,\(000 ;\) Daneim, \(\$\) per \(100, \$ 50\) per per 1,000; Daheim, \(\$ 6\) per 100, \(\$ 50\) per per 1,000; Boston Market, \(\$ 2.50\) per 100 . per 1,\(000 ;\) Boston Market, \(\$ 2.50\) per 100 ,
\(\$ 20\) per 1,\(000 ;\) The Queen, \(\$ 2.50\) per 100, \(\$ 20\) per 1,000 ; White Cloud, \(\$ 1.50\) per 100, 12 per 1,000; Mrs. T. W. Lawson, \(\$ 2\) per 100 , \(\$ 18\) per 1,000 ; Gen. Maceo, \(\$ 2\) per \(100, \$ 15\) per 1,\(000 ;\) Morning Glory, \(\$ 2\) per \(100, \$ 15\) per 1,\(000 ;\) Mrs. G. M. \({ }_{\$ 1.50}\) Bradt, \(\$ 3\) per 100 100, \(\$ 25\) per 1,000; Melba, \(\$ 1.50\) per \(100, \$ 12{ }^{10}\) per \({ }^{1,000 ;}\) Queen Louise, \(\$ 1.50\) per 100 , \(\$ 12\) per 1,000 . Wood Bros., Fishkill, N. Y.
Carnation-Carnation cuttings, Nelson Fisher, \(\$ 7\) per 100 , \(\$ 60\) per 1,000 ; Mrs. M. A. Patten, \(\$ 6\) per \(100, \$ 50\) per 1,000 ; Flamingo, \(\$ 6\) per \(100, \$ 50\) per 1,000 ; Crusader, \(\$ 6\) per \(100, \$ 50\) per 1,\(000 ;\) D. Whitney, \(\$ 5\) per \(100, \$ 40\) per 1,000; Enchantress, \(\$ 4\) per \(100, \$ 30\) per 1,000 Harry Fenn, \(\$ 3\) per 100 , \(\$ 25\) per 1,\(000 ;\) Manley,
\(\$ 3\) per \(100, \$ 25\) per 1,\(000 ;\) Fair Mald, \(\$ 3\) per \(100, \$ 25\) per 1,000 ; Fair Mald
\(\$ 2.50\) per \(100, \$ 20\) per 1,\(000 ;\) Queen, \(\$ 3\) per 100 , \(\$ 25\) per 1,000 .

Backer \& Co., Billerica, Mass.
Carnation-Rooted carnation cuttings now ready: Queen Loulse, \(\$ 1\) per \(100, \$ 10\) per 1,000 ; Flora Hill, \(\$ 1\) per \(100, \$ 10\) per 1.000 ; Alba, \(\$ 1.40\) per \(100, \$ 12.50\) per , No : Nor \(\$ 1\) per Lillian Pond, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000; Chicot, \(\$ 1.20\) per \(100, \$ 10\) per 1,000; America, \(\$ 1\) per 100 , \(\$ 10\) per 1,000; America, \(\$ 11\) per \(100, \$ 10\) per per 1,000 ; Estelle, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000; Mstelle, \(\$ 1.40\) per 100 , \(\$ 12.50\) 100, \(\$ 15\) per 1,\(000 ;\) Apollo, \(\$ 1.50\) per 100 , \$15' per 1,000; 'Harlowarden, \(\$ 1.40\) per 100 \(\$ 12.50\) per 1,000 ; Gov. Roosevelt, \(\$ 1.20\) per 10, \(\$ 10\) per 1,000 . Pink: Mrs. Thos Lawson, \(\$ 1.40\) per 100, \(\$ 12.50\) per 1,000 Enchantress, \(\$ 3.50\) per \(100, \$ 30\) per 1,\(000 ;\) Mrs. Joost, \(\$ 1\) per \(100, \$ 10\) per 1,000 ; Success, \(\$ 1\) per \(100, \$ 10\) per 1,000; Mermald, \(\$ 1\) per \(100, \$ 10\) per 1,000; Cress Mcklnley, \(\$ 1.40\) per 100 , \(\$ 12.50\) Pres. Mckinley, \(\$ 1.40\) per 100 , \(\$ 12.50\) per \(100, \$ 12.50\) per 1,000. Yellow: Golden Beauty, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000 . Eldorado, \(\$ 1\) per \(100, \$ 10\) per 1,000. Var legated: Prosperity, \(\$ 1.40\) per 100 \(\$ 12.50\) per 1,000; Marshall Field, \(\$ 1.40\) per \(100, \$ 12.50\) per 1,000 ; Stella, \(\$ 1.40\) per 100 , \(\$ 12.50\) per 1,000 ; Armazindy \({ }^{2} \$ 1\) per 100, \(\$ 10\) per 1,000;' Viola Allen, \(\$ 1.20\) per \(100, \$ 11\) per 1,000; Gaiety, \(\$ 1.20\) per per \(100, \$ 11\) per 1,000 . G. G. Crane, scarlet, \(\$ 1\) per \(100 ; \$ 10\) per 1,000. Speclal prices on large lots; unrooted pips, half price of above, 25 at 100 rates, 250 at 1,000 rates, express prepald, cash or C. O. D. with privilege of examining.

Loomis Floral Co., Loomia, Cal.
Carnation-Strong rooted cuttings N. Fisher, \(\$ 5\) per 100; 1ndlanapolls, \(\$\) per 100; Enchantress, \(\$ 2.50\) per 100, \(\$ 24\) per 1,000; Estelle, \(\$ 2\) per 100, \(\$ 18\), \(\$\) 1.000; Walcott. \(\$ 2\) per io0, \(\$ 18\) per 1,000 Lawson, \(\$ 1.50\) per \(100, \$ 14\) per 1,000 ; Glacier, \(\$ 1.50\) per 100, \(\$ 14\) per 1,000 ; Prosperity, \(\$ 1.50\) per \(100, \$ 14\) per 1,000 .

Ill.
Carnation-Carnation cuttlige.
Geo. A. Kuhl, Pekin, Ill.
Carnation - Carnations, rooted cuttings. Prices on application.

Company, Euclld Ave
Carnation-Green carnations. Prepa ration for coloring carnations green. port, \(\dot{\mathrm{K}} \mathrm{y}\).

Carnation-Carnation, Wllliam Penn 10,000
\(\$ 2.50 ; \$ 10\) per \(100: \$ 75\) per 1,\(000 ; 250\) 1or \$18.75.

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Carnation-Rooted carnation cuttings Enchantress, Nelson Fisher, M. A. Pat ten, Volcott, B. Market, White Cloud and F. Jonst.

Valley View Greenhouses. C. G. Velle

Carnation-Rooted cuttings ready now: Lady Bountiful, Phyllis, Chicago White, Robert Cralg, Wbite Lawoon \(\$ 40\) for prices. Albatross, \(\$ 5\) per 100 \(\$ 4\) per 1,00; America, \(\$ 1.75\) per 100 , \(\$ 15\) per 1,000; Boston Market, \(\$ 3\) per 100 . 1000: Cricarnma, \(\$ 12\) per 100, \(\$ 100\) per ,000: Crus, new, 12 per 100. 100 per 1,000: Crusader, \(\$ 0\) per 100 , \(\$ 40\) per Dorothy Whitney, \(\$ 5\) per 100 per 1,000 ; 000. Fijhise Dorners 12 per 100 p 100 ,0r 1000 Fe, 100 per 1,00: Fatelle 1.000. Fiance new (Mar 1) 12 per 100 , 100 per 1000 . Flaming 50 per 1000: Flora Hill \(\$ 175\) per 100 \(\$ 15\) per 1,000 . Lord \(\$ 175^{\circ}\) per per \(\$ 15\) per 1000 . G Crane \(\$ 50\) per 100 \$10 per 1,000: Wolcott \(\$ 2.50\) per \(100, \$ 20\) per 1,000; Harlowarden \(\$ 250\) per 100 , 20 per 1,000 : Indianapolis \(\$ 5\) per \(100, \$ 40\) per 1,000; Indianapolis, \(\$ 5\) per \(100, \$ 40\) per 1,000; Lawson, \(\$ 3\) per 100 ; \(\$ 25\) per 1,000; Mrs. Joost, \(\$ 1.75\) per \(100, \$ 15\) per 1,000; Mrs. Patten, \(\$ 6\) per 100; \(\$ 50\) per 1,000; Nelson Fisher, \(\$ 6\) per 100, \(\$ 50\) per 1,000; Prosperlty, fancy, \(\$ 3\) per 100 ,
\(\$ 25\) per 1,000: Queen Louise, \(\$ 1.75\) per 100 , \(\$ 15\) per 1,000 ; Red Lawson, \(\$ 10\) per \(100, \$ 75\) per 1,000 ; Richmond Gem, \(\$ 10\) per 100, \(\$ 75\) per 1,000; The Belle, \(\$ 6\) per er \(\$ 00\) per 1,000 , The Marquis, \(\$ 1.15\) 100, \(\$ 40\) per 1,000; Varlegated Lawson, \(\$ 12\) per \(100, \$ 100\) per 1,000; White Cloud, 1.75 per 100, \$15 per 1,000; White Swan, \(\$ 10\) per \(100 ; \$ 80\) per 1,000 .
aughan's Seed Store, Chicago; Greenhouces, Western Springs, Ill.
Carnation-Carnation cuttings.
W. H. Watson, Lapeer, Mich.

Carnation-Carnations Manley, Mrs. P. Palmer, Mrs. Ine, Flamingo, Harlowarden, Earle, America, Enchantress, Mrs. Higinbotham, Mrs. Lawson, Mrs. Nelson, Guardian Angel, White Cloud, Queen zound, Her Masty, Prosperity, ArmaZindy, Her Majesty, shipped promptly rom greenhouses Michael Winandy
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ga, \(\$ 1.50 . \mathrm{K}\) \& B. Floral Co., Richmond, Ind.

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Coleus-Best bedders, 60 c
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pots, March $1, \$ 2$
Colens-Forty varleties, 70c per 100;
$\$ 6$ per 1,000
S. D. Brant, Clay Center, Kan.

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Colens-Rooted cuttings, Verschaffeltil, Fire Brand, Golden Queen, BeckWictorla and Fancies 60 C per 100 , \(\$ 5\) Ver 1,000 Golden Bedder (oriminal) and per 1,000 . Gol 100 Be 6 per 1000 . count of 10 per cent allowed on 10,000 or more.

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Orchids-Cattleya Mendelil, also Lælia anceps and Oncidium tigrinum, etc. Write for special list No. 14. Orchid growers and importers. Lager \& Hurrell, Summit, N. J.
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Palms, Etc.-Latania Bor., 2-in. pot, seed leaves, \(\$ 3\) per 100; Latania Bor., 3 in. pot, \(15-18\)-in., \(2-3\) chr. lvs. \(\$ 12\) per 100; Latania Bor., 5-in. pot, 18-20-in., 3-4 chr. lvs., \(\$ 15\) per 100; Latanla Bor., 5-in. pot, \(20-24-i n ., 4\) chr. Ivs., \(\$ 20\) per 100.
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Pansies-Pansy plants, large flowering, 60 C per \(100, \$ 2.50\) per 1,000 . Per 100 Asp. plumosus nanus, small plants, to close, \$1.75.

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Poinsettias-Poinsettias, 1 year old, \(\$ 5\) per 100.

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Poinsettias-Giant flowered poinsettlas; limited amount stock plants, 50 C per plant; \(\$ 5\) per doz.; \(\$ 35\) per 100; \(21 / 2-\) in., \$12 per 100 i \(3-\mathrm{in}\)., \$18 per 100. Juiy and Au J. B. B. Deamud, 51 Wabash Ave., Chlcago.

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Paul Mader, E. Stroudsburg, Pa.
Roses-Bedding and forcing roses stock from 3-in. pots. Bride, Brides maid, Perle, Ivory, Golden Gate, Etoile de Lyon, Mrs. Cant, Pink and White Cochet. Bon Silene, etc., \$4 per 100; \$38 per 1,\(000 ; 2\) - 1 n. stock, \(\$ 3\) per \(100 ; \$ 25\) per 1,000.
E. G. Hlll Co., Rlchmond, Ind.

Roses-Bedding and forcing roses, standard varieties, \(\$ 4\) per \(100, \$ 38\) per 1,000. Bride, Maid, 1vory, Perle, Etoile de Lyon, Bon Silene, Mrs. Ben Can

The E. G. Hill Co., Rlchmond, Ind.
Roses-American Beauty, La France and Bride.

Godirey Aschmann, 1012 Ontario St., Philadelphia
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Eassett \& Washburn, 76 Wabash Ave. Chicago.
Roses- 400,000 roses. Also in 2 -in pots.
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Roses-Roses, rooted cuttings: Chatenay, \(\$ 2.60\) per \(100, \$ 20\) per 1,000 ; Uncle John, \(\$ 2.50\) per 100 , \(\$ 20\) per 1,000 ; Bridesmaid, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 Bride, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 Ivory, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 Perle, \(\$ 1.50\) per 100, \(\$ 12.50\) per 1,000 Roses, \(11 / 2-\mathrm{in}\). pot plants: Richmond, \(\$ 30\) per 100, \(\$ 250\) per 1,000; Rosalind Orr English, \(\$ 25\) per \(100, \$ 200\) per 1,000 ; Chatenay, \(\$ 4\) per 100 per 1000 : Perle von Glse, \(\$ 4\) per \(10, \$ 30\) per 1,000 : Perle von Godesberg, \(\$ 5\) per \(100, \$ 40\) per 1,000 ; Detroit, \$6 per \(100, \$ 50\) per 10000 Lita Detroit, \(\$ 6\) per \(100, \$ 50\) per 1,000 inncie John, \(\$ 4\) per \(100, \$ 35\) per 1,00 Katserin, \(\$ 3\) per 100, \(\$ 25\) per 1,000 ; Bride \(\$ 3\) per \(\$ 3\) per 100 , \(\$ 25\) per 1,000 ; Bride, \(\$ 3\) per per 1,000: Perle, \(\$ 3\) per \(100, \$ 25\) per 1,000 Peter Reinber今, 51 Wabash Ave., Chicago.

Roses- 20,000 grafted roses, \(21 / 4\)-in rots, ready for delivery March 20. *15 per 100. April and May dellerty, : \(31 / 2\)-in, pots, Eride, Bridesmaid, \(\$ 15\) per 100; Liberty, \(\$ 20\). Order by mall or from sulesman Bernard McGinty, 1 A Park St., lioston, Mass

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Roses-Roses for Faster forcing, mon Ramhier, \({ }^{2}\) year, \(\$ 2\) per doz. 100. 100; 3 year, \(\$ 2.50\) per doz.; \(\$ 18\) hehan's seed Store, Chicago and

Roses-Baby Rambler, everblooming dwarf Crimson Rambler; strong dormant plants, \(\$ 5\) per dozen, \(\$ 35\) per 100 ; pot plants, \(21 / 2\)-in., March dellvery, \(\$ 20\) per 100.

Vaughan's Seed Store, Chicago and New York
Roses - Rooted cuttings, American Beauty, \(\$ 3\) per 100 ; 225 per 1,000; Liberty, \(\$ 3\) per \(100, \$ 25.20\) per 1,000 ; Bridesmaid, \(\$ 1.50\) per \(100 . \$ 12.50\) per 1,000 ; Bride, \(\$ 1.50\) per \(100, \$ 12.50\) per 1,000 ; Golden Gate, \(\$ 1.50\) per 100, \(\$ 12.50\) per 1,000; Ivory, \(\$ 1.50\) per 100, \(\$ 12.50\) per Ge
George Reinberg, 51 Wabash Ave. Chicago.
zoses-Roses of all kinds Geo. A. Kuhl, Pekin, Ill.
Roses - The new rose Wellesley Dellvery in rotation, beginning April 1. Own root, \(\$ 25\) per \(100, \$ 55\) per \(250, \$ 100\) per \(500, \$ 200\) per 1,000 ; grafted, \(\$ 30\) per 100 ; \(\$ 70\) per \(250, \$ 130\) per \(500, \$ 260\) per 1,000.

Waban Rose Conservatories, Natick, Mass. John N. May, Summlt, N. J.
Roses- 60,000 grafted roses for forcing. Delivery April, May: June. Liberty, rose pots, \(\$ 2\) per \(100 ; 31 / 2\) in. pots, \(\$ 18\) per \(100 ;\) Brides, Bridesmalds, Golden Gate, Kaiserin rose pots
J. L. Dillon, Bloomsburg, Pa.

Roses-Roses, \(21 / 4\)-in. pots, \(\$ 2.50\) per 100; Universal Favorite, Evergreen Gem, Bessie Brown, Manda's Triumph, So. Orange Perfection, White Memorial, Yellow Rambler, Gardenia, Helen Gould, \(11 m e\). de Watteville, Francisca Krueger, Mary Washington, Champion of the Wridesmaid, Emile Gonin, Frances E. Witard, Bridesmaid, Bride, Halloween. Strong semi-dormant plants, splendid for spring
sales or for planting.

> Iowa Seed Co., Des Moines, Ia.

Robes-American B., Liberty, Bridesmaid, Bride, Ivory", Golden Gate, shipped promptly from greenhouses Michael Winandy. Write por prices, et
Edwin C. Day, Recelver, 51 Wabash
Ave., Chicago
Rudbeckia - Extra choice, large clumps, \(\$ 5\) per 100 . Nohn Brod, Nlles Center, IIl.

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Salvias-Salvia, two best, Lord Fauntleroy (dwarf), Bonfire (tall), \(\$ 1\) per 100 , \(\$ 8\) per 1,000.

The W. T. Buckley Co., Springfleld, Ill
Saivias-Rooted cuttings and plants.
Ludvig Mosbaek, Onarga, 111 .
Salvias- 6 varieties, \(\$ 1\) per \(100, \$ 8\) per \(\$ 1,000\).
S. D. Brant, Clay Center, Kan.

Salvias-Bonfire and St. Louis, \$1 per \(100, \$ 8\) per 1,000 .
C. Humfeld, Clay Center, Kan.

Salvia-Salvia Mrs. C. N. Page, new scarlet salvia of great merit. This grand variety originated at our greenhouses, and is named in honor of the wife of the president of the American Seed Trade Association.
It is undoubtedly the dwarfest grower most profuse and early bloomer, and most intensely bright scarlet salvia yet introduced, therefore the best hedding variety

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Lowa Seed Co., Des Moines, Ia.
Swainsona-Swainsona Alba, rooted cuttings, 75 c per 100.

Byer Bros., Chambersburg, Pa.
Tradescantia-Tradescantia rooted cuttings, 2 kinds, 75 c per 100 Byer Bros., Chambersburg, Pa.

Umbrella plants-Umbrella plants, 2
Byer Bros., Chambersburs, Pa.
Verbenas-Rooted cutings, 60c per 100: \(\$ 5\) per 1,000
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Verbenas- 500,000 Verbenas, 60 varieies, perfectiy healthy. Prize rooted cut ings, 60 c per 100 , pe per 100 , plant \(21 / 2\)-in., pots, L. Dillon, Bloomsburg, Pa.

Verbenas-Rooted cuttings, 30 varleies, 60c per 100
S. D. Brant, Clay Center, Kan.
verbenas-Ciant mixed, Dreer's seedlings. 30 c

Byer Floral Co., Shippensburg, Pa
Verbenas-Rooted cuttings, 60 c per Byer Bros., Chambersburg. Pa. Vinca-Vinca Major Variegata, 3-in. pots, \(\$ 5\) per 100.
Nathan Smith \& Son, Adrian, Mich.
Vinca-Vinca variegata, \(3-\mathrm{in}\). pots, 5 per 100

Frank A. Pierson, Cromwell, Conn.
Violet-Violet Princess of Wales, \$2.50 er 100. Rooted cuttings, \(\$ 1.25\) per 100 Nathan Smith \& Son, Adrian, Mich.
Vinca- 5,000 vincas, rooted cuttings, 75 c per 100; \(\$ 6\) per 1,000. Cash.

\section*{Violets-Rooted cuttings. \\ Eli Cross, Grand Rapids, Mich.}

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Privet-Californla privet cheap, \(\overline{100,}\) 000 plants, 3 to 4 -ft., \(\$ 4\) per \(100, \$ 25\) per 1,\(000 ; 21 / 2\) to \(31 / 2-\mathrm{ft}\)., \(\$ 2.50\) per \(100, \$ 17.50\) per 1,000 ; 20 to \(30-\mathrm{in}\). \(\$ 2\) per 100 , \(\$ 13\) per 1,\(000 ; 18\) to 24 -in., 2 years, \(\$ 1.50\) per 100 . \(\$ 7\) per 1,000 . Boxed f. o. b. here. For car or large lots, write before placlng orders.

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Vaughan's seed Store, Chicago and New York.

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mosus robustus, 100 seeds, \(\$ 1 ; 1,000\) mosus robustus, 100 seeds, \(\$ 1 ; \quad 1,000\) 1.000 seeds, \(\$ 4\). Comorensis, 100 seeds, 1: 1,000 seeds, \(\$ 7.50\). Tenuissimus, 100 seeds, \(\$ 1.25\); 250 seeds, \(\$ 2.65\). Cash discount 2 per cent.
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Seeds-3,700 acres of garden seeds in cultivation: wholesale seed growers. Braslan Seed Growers' Co., San Jose. Cal.
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Stone. 10 c per pkt: 15 c per \(1,2 \mathrm{oz}\) : Stone, 10 c per pkt: 1ac per
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Holton \& Itunkel Co., 462 Milwaukee st., Milwaukee, Wls.
Welch bros., 15 Province St., Boston, Mass.
The Cleveland Cut Flower Co, 52-54 High St., Cleveland, Ohio.
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Moore, 11 entz \& Nash, \(55-57\) W. 26th St., New York.
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Young \& Nugent, 42 W. 28th St., New York.

Jos. S. Fenrich, 48 W. 30 th St., New York.
A. L. Randall Co., 19 Randolph St., Chicago.
James Hart, 117 W. 30th St., New York.
John Young, 51 W .28 th St., New York.
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J. B. Deamud, 51 Wabash Ave., Chicago.

Ford Bros., 111 W. 30th st., New York.
Jullus Lang, 53 W. 30 th St., New York.
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H. G. Berning, 1402 Pine St., St. Louis, Mo.
Charles Millang, 50 W .29 h St., New York.

Traendly \& Schenck, 44 W. \(28 t h\) St., New York.

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New York Cut Flower Fxchange, John Donaldson, secy, Coogan Bldg., 6th Ave. and iw. 26 th St, New York.
Edward C. Horan, 55 W .28 th St., New York.
Alfred 11. Iangejahr, 65 W. 28th St., New York
Alex. J. Guttman, 52 W, \(29 t h\) St., New lork.

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Whlam Murphy, 128 E. 3 d st., Clnchinati, O

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Geo. Relnberg, 51 Wabash Ave., Chlcago, Hl .

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D. Wood Brant, 58-60 Wabash Ave, Chicago, I11.
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Peter Welland, New Castie, Ind.
Welland \& Risch, 59 Wabash Ave. Chicago.
Bertermann Bros. Co., 241 Massachusetts Ave., Indlanapolls, Ind
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Berger Bros., 1220 Filbert St., Phila delphia, Pa.
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Sievers \& Boland, 33 Post St., San Francisco, Cal.
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Fnmigating Suppliea-Tobacco atems, 60 c per \(100 \mathrm{lbs} . ;\) in bales of 200 to 250 ibs. Write for special prices on carload lots. Leaf tobacco.
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Fumigating Snpplies-The Fumigating Kind Tobacco Powder. A free trlal bag will cost you only express charges; the wost effective, cieanest and quickent, as well as cheapest (10c per 100-ft. house) article to fumigate with. All aphis killed in one night. Our bookiet tells of it-mailed on request.

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Fumigating Suppliag-Extract of tobacco, rose leaf insectlcide. Best and cheapest all around insecticide on the market. For free pamphlet write to
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Greens-Gaiax leaves and leucothoe sprays.

Greans-Ferns, calax lavr cess pine.

Crowl Fern Co., Millington, Mass.
Graens-Wild smilax, \(\$ 3\) per 25 lb . case: \(\$ 4,35 \mathrm{lb}\). case: \(\$ 5\) per 50 lb . case. E. F. Winterson Co., 45-49 Wabash Ave., Chicago, Ill.

Greens-Evergreens, galax, leucothoe, mosses, etc.

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\section*{THHE AMERICAN [FLORRIST}

\section*{TWENTIETH YEAR}

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THE AMERICAN CARNATION SOCIETY
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\section*{this ISSUE 52 Pages with cover.}

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\section*{THE CARNATION.}

\section*{Notes on Carnation Growing.}
[Read hefore The Florists' Club of Phila delphia, Fa, February ! 1, 19m, by Edward

I hate imen asmeri to speais on the camation anl hamay kuow why, being probably the roungest grower aromm] Ihhadalphia. Howerer, if my experi ane will be of interest to any of you I am phased to give it, telling you of our mothons, which do not differ, as far is I know from the general eultivation of the divine flowr. Doubthess, atter the row, the camation is the most use finl of flowrrs, its keepring qualities anol the low ruice for which it can be bought bringine it in contact with the great ast number of beoph. There has been come alvan"mant made in the cultam of the ramation, dae to the introduction of the lawson, by Peter Fisher whid, to my mind, marks the dividing line betwenn the oll and the new.
The rempation indastry may be dasset mater throu heads: First the growing at the bowr for the public: sceonl, the frorluction for euttings for the trame; and third, the raising of sepdlines. With us it mould be impos. sible to hamlle the three together and we think ritely grower should decide for himself whith listmeh he and his place aro best suited to and which will bring him the brst rosults. We have taken afe the eat flowre promection and oms experienes has heen a practical one. As fiar as we wam sen there is no great seret (emburdml with frodneing the flowers. We have tried to follow nature's laws, using commonsense close attention to details, eleanliness and hunses well ventilated.
(lum of the most essential points malduhtrilly, is tor hate comal stock to start with, for if the young stock is mondealthy there is little home of ever ohtaining tirst-chass hooms. We solent our stock earofully, from flowerine stoms as mond as pusible. Of comse an somb of the new varieties we bay wo arr eompelled to eut blosp in order to wot suftiofent stock. We fut in the sand first those that take the longest time to make blants sulh as lrosperity lanwson, amd Filaminge, following with thase that grow mors quickly. When ronted we put tham in 关-inch foots, then into 3 -ineh and it monessary in t-inelh. We take great pare in wataring not
allowines the roung plants to suffer at any time fur want of it: thic insures nis a clan growth. From the promgat ing house we move them into the field or into the bench, the latter method bring adupted ly must of onr morlern

Gur sheht experience with indoor anlure has nut bern a decided suceess wrer fich eulture. and we think that in our climate, situated as we are a comfromiss lontween the two is mmeh the brist. Wra have adopted the plan of "ary propagating, flanting in the fielt soon as the wrather permits am! lifting tho mithle of July. These meras bres have giver us the best results. athough we feel that, to make a tam test, panting in the honse shonk be matle tha sionce time as in the fied and not sarly in dum as wa heretufore have drane. The whjection to indore pultare might be the throwing out of onr plants betore becoration day and the poor frices altanable huring the chrsant he mum satsons. Wै thrors ont our old Mants in Joly. take out the suil. white wash tho hemehes and then wive a thor ough fumigation aftor which the soil is roplaced as quickly as possible. extra lahor lowng hired for this purpose. Last rasa bur homses (of which there sure thwo, mah :illows feet) were emptien luly 17 and planted with new stopk important as it would be very poos mondomy to let the work trag alons.
We make a compost heap prery fall monsisting of onf burt cow manture to three parts of soil. allinge some air slakned lime to swowton thines up a hit We turn the pile ance in the apring and ngain buture it is whembd intu the
 suil whirh wa ronsidne rery important that we town its machantal andiditum whial moanc a soil which will drain water fredy, amd at the same timo liw drihutr foul to ther ronts: thice je par
 ther firld.
Thas howilhariage sulation of stambert amd its amses is, to ms mind, har the promes of watrring. "lhis ann owne in the propamating bonch. the pot, the fat. or tha tiela, and a chowk ot some sart is whemally responsilin for it. grobuld aromme parh phat and renert to fropunt symuine watoring pante in
established. During planting we shade the houses lightly with cloth, removing it as snon as plants have taken with the soil. Then the daily routine of staking, disbudding and watering begins and we are under way.
The question of what varieties to grow is always an interesting one, the tendency nowadays being after something hew, and it is hard to resist the temptation to buy new varicties on seeing the exhibitions at our flower shows It is well to be progressive, but we would advise the man with limited


The Late P. T. Huddart.

glass not to attempt too many. Tbree or four, in the various colors, which require the same treatment is best.

It takes some time to become acquainted with the carnation and the special care it likes, and we do not pass judgment without giving each variety a fair trial, which cannot always be accomplished in a year. The competition in carnations is becoming stronger every day. The people no longer ask for a white, pink or red, but mention the name of the bloom desired, and for this reason we think it is a good thing to tag each with its name when it goes to market. In this way the public becomes acquainted with the different varieties and we find ont what is most popular. By keeping carcful recorils we find that those that produce the greatest number of flowers are not neressarily the most profitable.

Our experience proves that it pays to work together with the commission man, keeping him posted as to what wo will have and when we will ship. This gives him an opportunity to make sales which he might otherwise lose. We allvise frequent visits to the wholesaler, not necessarily to see the pro prietor, but to examine goods there, see how they are keeping, and compare with the product of ather growers.

Valuable lessons may be learned in this way. It is hardly necessary to rall your attention to carcful bunching and packius. In conclusion would fuotr Mr. Jered Lemon when he said at the carnation convention, "If you wish to sumeret nothing is too murh trouble."

\section*{California Carnation Cuttings.}

Ed. American Florist:-
You request experience with carnation cuttings from California. received 1,000 about February 1 and I have lost three-fourths of them. I find they will not answer for this climate. 1 received 3,000 from Chicago and they are doing splendidly. They were all rooted cuttings. \(I\) do not think carnation euttings from California will do anywhere cast; the soil is different and so is the climate. I took the best of care of them, but all to no good. I see, however, that others speak well of them. G. Perry MAhood,

With H. O. Hannah, Sherman, Tex.

\section*{Huntington, Ind., Carnation Exhibition.}

The annual carnation exhibition of the Huntington Horticultural and Agrienltural Sacicty took place Febrnary 21 in the court room, Huntington, Ind There was a very fine exhibit and a large attendance. In the competitive lasses awarils were made as follows: For best twenty-five Lawson pink, F. Boulon \& Son, first, with Lawson; Walter Shaw, certificate for Lawson. For hest light pink, Robt. T. Hallock, first with Enchantress; F. Boulon \& Son, second with Enchantress; J. N. May, third with Phyllis. Best white, F. R. Pierson, first with White Lawson; H. T. \(\mathcal{\&}\) A. H. Funuell, second with Queen Louise; J. N. May, third, with The Bride. Best scarlet, F. R. Pierson, first for Flamingo; J. D. Cockeroft, second with Flamingo. Best crimson, F. i. Pierson, first with Dahein; H. T. \& A. H. Funuell, second with Harlowarden Any other variety, Thomas Eccles, first for Prosperity; F. Boulon \& Son, second for Mrs. M. A. Patten; F. R. Pierson, third for Variegated Lawson.

For roses Walter Shaw took first for twelve Bridesmaid and first for twelve Liberty. For 100 domble violets, H. T. \& A. H. Funnell took first and Wm. O'Hara second. For 100 single violets F. Bonlon \& Sou took first and Walter Shaw second.

Certificates were awarded to the Cottage Gardens Company for new white carnation, Lieut. Peary, and for Robt. Craig, the new scarlet. Also specials for Octoroon, Ethel Ward and Enchantress. A certificate was awarded to Jas. D. Cockeroft for seedling Crimson, an immense flower of fine form on a geod stem. A vase of White Lawson, not for competition, was exhibited by Charles 11. Allen. This attracted much notice.

The committee very much regretted that, probably though an error, the Cottage Gardens vases contained but twenty flowers instead of twenty-five as called for by the schedule and so were risqualified from competing. They were very fine specimens and marle a table not soon to be forgotten. It was also regretted that John N. May's exhibit suffered a little in shipping, so the Bride did not show its full beanty.

Other exhibitors who received awards were. Fred Keiffer, for mignonette; Geo. Ashworth, for roses and carnations; Robt. T. ILallock, for daffodils: F. BouIon \& Son, certificate for tree form violet plants; William O'Hara for pot plants; 1I. T. \& A. II. Funnell for phoenix and Anna Foster fern.

The committee were gratified by the generous response to the invitation to exhibit by outsine growers.
A. II. Funnell, See'y.

\section*{THE ROSE.}

\section*{Repotting.}

When repotting the young rose stock, which is usually in order at this time, the soil should be prepared practically the same as for potting off cuttings. That is, using a stiff, fibrous loam, mixing about one part well rotted cow or sheep manure to four parts soil. If the sheep manure is extra strong, one to five parts soil will answer. The two manures can be mixed with good results.

The soil should be free of lumps, screening it fine enough to pack evenly around the ball of the plant, which shonld be potted firmly. A little of the soil at the top of the ball can be removed at the edge. The growth ou the young plants should become well ripened before shifting, but the eyes should not be started. Plants in this condition when knocked out of the pots will be found to have firm, white roots and should be potted at once so as to have the next growth get the full benefit of the fresh soil. This method of potting can be carried out until the plants are ready for benching.

In shifting over root stock from 2 -inch pots, shift to a 3 -inch. Plants from \(21 / 4\)-inch will also take a 3 -inch pot better than a \(31 / 2\)-inch. Grafted stock from 21/2-inch pots should be shifted to \(31 / 2\)-inch, as the pots fill with roots much faster than own root plants. A little sand to lighten the soil should be added, as they thrive in a more open soil. American Beauty roses requiro the heaviest of soil and from \(21 / 2\)-inch pots should be shifted to \(31 / 2\)-inch. In using \(31 \%\)-inch pots or larger, drainage should be placed in the pots, not thrown in carelessly, but placed so as


Herman A. Hart
to form a bridge over the hole. Broken pots in pieces about the size of a quarter of a dollar is a good size to use. Give the young stock plenty of room; crowded plants become drawn up, lose their foliage and often get too soft to withstand mildew, black spot, etc. Give them the full benefit of the sun. Place
the pats level but do not plunge them below the surface of the ashes on the benches.

Syringe on bright days, making a fine spray with ordinary pressure, using the hose so as not to upset the pots. After shifting and watering thoroughly the plants shouk be run a little on the dry side until they start nicely. This will greatly encourage root action. A plant may become dry occasionally without injury, but never allow them to stay any length of time in a dry condition. In a few more weeks they

\section*{WITH THE GROWERS}

\section*{George Van Horn, Springfield, Ill.}

The capital city of Illinois, Spring field, boasts of a rapidly growing florists' colony, now containing fifteen establishments, and one of the important places is that of George Van Horn, the "Capitol Greenhouses." The pioneer florist of Springfield, the late Louis Unverzagt, founded this business, which Mr. Van Horn took over some time


HERMAN A. HART'S ESTABLISHMENT, CLEVELAND, o.
will require watering perhaps twice a day, early in the morning as soon as the sun strikes them, and again in the middle of the day, which will give the foliage a chance to dry off before night. Do not forget to go over and water the dry plants before giving them a general watering. This is really the only way to keep the watering under perfect control and should never be neglected.

Fumigating should be kept up as long as there is any chance of the aphis getting in their work. Sulphur should be applied by painting the pipes as long as the houses require heat from the boiler; during the rest of the season it can be dusted over the plants, using a bellows or a machine for this purpose. Plants that are kept free from mildew until benched or planted will start off nicely and will keep clean as a rule throughout the summer. Keep the plants carefully weeded and disbudded. If the soil becomes baked, leaving the sides of the pots, as it often does, loosen the soil at the surface a little with a label or small stick sharpened like a knife, great care being taken not to stir the soil deep enough to disturb the roots; they should be a little on the dry side to be in a condition for stirring.

The directions for treatment of the young stock as mentioned in this article will apply to the shifting they will require from the present time until they are planted. The soil should be mixed in the same proportion, perhaps using it a little coarser when using a larger pat, otherwise the treat* ment is practically the same. E.

Warrex, O.-Miss Lillian Dean has been elected president of the Portage County Horticultural Society.
before Mr. Unverzagt's death, after working as foreman for the veteran florist many years. There are 20,000 feet of glass in the plant which stands on Capitol avenue, two blocks from the state house, one of the most desirable locations in Spriugfield.
Mr. Van Horn does a retail business almost entirely and grows his own flowers to a large extent. He has nine greenhouses, two of which are devoted to growing carnations, one to roses, two to ferms, one to palms and the rest to bedding and general stock. His palm house is his pride, magnificent specimens of commercial varieties and many rare sorts being grown in it. His favorite carnations are Lawson and Enchantress. Bride, Bridesmaid and Golden Gate roses constitute the majority of his rose stock. He lias a large number of Pierson ferns and it is a favorite

With him. He has been signally successful in growing it true to type and has hat large sales at good prices, several of his choice specimen plants attracting much attention at the last state lair. But he says: "Nothing will ever supplant the Boston fern.'" He has a large stock of this old favorite anil also is growing a quantity of the Scott varipty, with which he is having success. It does not produce many runners, however. Geraniums and other beding plants are an important item in his trade.
B.

\section*{Herman A. Hart, Cleveland, O.}

The subject of our sketch is one of Cleveland's pioneer florists. Born in Deunnin, Germany, he went to work at an early age in the botanic gardens in Greisewald where he worked steadily for six years acquiring a thorough knowledge of the business he has followed for the past thirty-three years in the land of his adoption. He came to this country in 1872 and settled in Lakewood, O., where he managed the Nicholson estate until 1877, when he purchased his present place of business, which comprises three acres of city property. Here he began in a modest way and has gradually built up a substantial business. His liberal manner and kindly disposition winning for hin a host of friends in and out of the trade.

A new range was built last year, as shown in the accompanying illustration. The old range where the office is located will be torn down soon, the office enlargerl and a new lot of houses built. His business is entirely retail and the 50,000 feet of glass is insufficient to supply the demand.

New Pedford, Mass.-The annual dinner of the New Bedford Horticultural Society was held February 28 at the Mansion House. Among the visitors were Thomas J. Grey and J. K. M. L. Farquitar, of Boston, Nass. Mr. Farquhar marle an interesting address. William F. Turner, of the entertainment committee, announced that Edward Howe Forbush, ornithologist of the state board of agriculture, would give an illustrated address on "'Birds in Their Reiation to Agriculture," March 14.


HERMAN A. HART'S ESTABLISHMENT, CLEVELAND, O.

\section*{CHRYSANTHEMUMS}

Marcuis de Pins' Seedlings.
We Wrore rare murh intereated in the artinle loy "E'" in the Americin Ficatant of llarel 4 , and hasten to rapumat to his indmiry aomerning the amion of the Marquis de Pins' vari"ties in this country. An apurpeiation at the combitions confronting the
following komrenir do la lomtesse hatilu, hinnons of which wore in the wimulng eollowtions at tho World's Fair Flowri show. This variety we think "an ha grown as large as F . S. Tallis and is of a rharming polor. Germaine and lomponla, twins, axeept in color, are cortainly susecptible to high culhure, with pinssibilitios of immense size and heantr, but neert a long season of mrowth. Mmo. ile la Verteville was it massive flower even as grown last


NEW TRANSPLANTING TRUCK

importer of thrysanthemums into the Thited States is necessary to a proper understanding of the opinion berein expressid.
ln the first place it is a long journey. Clurysanthemums either from France or England are in the boxes ten rlays to two weeks hetore they reach our shores, and aftur they arrive in this country they still have a longer trip before reaching our establishment than from Paris to Lomion. Shipments from Engrland or Franee are seamely eqer received hatore tha mindle ot March, anti frajuently, as in this case, toward the end of Ajuil.

It is moressiry after this rate to nurse the stork hork into health and robtain "ottings for the farl hooming. Thuse it will her sern that the first fear's trial of impurtal chersanthe. imums is apt tor result in the isions which are not eoncomsion, to say the lasast. Esperially has this bern trup with vari-- tios frmm England. Pratiwally all of the fratheng exhitition variotion of Englami have lieren imported int, this rome try and trstor mat results are nrarly 2] Ways disambinting, mbess it has been porsilily to wive a longe suasom of wrowth with ther consempent possibility of whtamines an varly bum.

The Jaryuiu the j'ins' wot was fractiver] the latest of all the importat tions last sprime fot we amsidar that they mate at find ranold. A mom pobust :and hoaldhy lot af variotios it womld loe imunssibly to fiml, aml wo have cur had a buther average showing in first frear of importation.
Ammare the serts shoming morit from

yrar, thonsh somurwht lacking in petalage, which fault shonld be orercome with an earlier lum. Ohette was pro nomuced the finest novelty of the year bis many visitors to our greenhouses. This variety and the two previously mentioned were past their prime at the time of the exlifition.

Vierge Montbrunoise is probably the finest creamy white chrysanthemum for "xhibition we have evel seen. It is of rather a soft texture and as grown last year with heary nitrogeu feeding showed a strong inclination to burn, hut is not so hal in this way as Hero of Mafeking and many others among the English sorts. Proper feerling will undoubtedly ovpreome the diffeulty. Baron Rene Roille, Belle Gaseonne, ('has. Bateque, and Mme. de la Motte st. Pierre all show great promise as commereial rut flower rarieties in the lnitel States. There were no counterfeits in the set. This was very pleas. ing to us becansr so rare in imported sets. The cortainly consider the Pins varietits worthy of extensive trial and helieve that sereral of them will "make gnorl.

Fieed H. Lemof.

\section*{New Transplanting Truck.}

This is an eutirely new departure in the line of transplanting trucks as the illustrations will show. It has a flat bed having one end tapered to an edge, anti-fliction rollers having their jouraals on the hed below the upper surface thereot, a pair of wheels on which the truck is supported intermediate, its andis permitting the truek to be tilted so that the uppermost plane of the bed may meet the ground, and a windlass mointel at that end of the bed opposite the tapered end and iu close proximity to the surface of the bed, effecting a poll in a firection approximately parallel to the muler mane of the bed, a homl adnpited to pass around the ball of the plant to be transplanted, an'l winding connections between the ends of the hand and the windlass.
This truck has been in operation for almost a rear now, and has proved in "very way satisfactory in transplanting trees and evergreens, for moving large pahms in tubs, tree stumps, and heavy stones; in fact the truck ean be used to move auything that is too heavy or too large for men to carry; doing the work better, quicker, and with less men


NEW TRANSPLANTING TRUCK.

than by any of the older methoris. In transplanting, the tree is diug around in the usual way, and the ball undermined as much as possible, then the side of the trench is cut away the width of the truck so as to form a runway for the truck to get noder the hall; the tapered end of the truck is then placed under the ball, and the belt that encircles the ball put in place; this belt is then attached to a chain from the

\section*{MARKET GARDENS.}

1 r is said thw are running short of cabhases in fermany and importing them from England.

\section*{Prices of Indoor Vegetables.}

The prices of initoor vegetables at In:uling juints Narch 4 were as follows:


NEW TRANSPLANTING TRUCK
(Laming : large palma)
windlass, and the whole is wound up on the truck; as soon as the tree is pulled far enough up on the truck, the truck balances by the tree resting over the wheels and then assumes a level position, when it can be pulled out and transported to the hole already prepared for the raception of the tree.

To unloarl, the operation is just reversed, and the tree is allowed to slide slowly into its place.

With this trmek a tree can be moved withont fear of loss, if ordinary care is used to siee that a proper proportion of roots are saved. The inventor moved some very valuable trees on this truck last spring that came through the past summer so successfully that no one could tell that they had been recently moved; they were moved with such good halls that no proming or shortening of the wood was required. The truck can be made of various sizes to answer all purposes from moring small shrubs to large trees. In the large: sizes the truck has four wheels instean of two as in the one illustrated.

With this truck a tree is moved in an upright position, and is moved ant planted without breaking the ball, and with swoh ease that few men are required, and the work being done very rajuidly the roots that are exposed hare little chance to dry up.

The truck mas invented by Peter Bisset, of Washington, D. C., and is fully protected by patent rights.

Cineyencie, Wyo.-C. H. Garwood is planniner to open a brameh store in Ramlins.

New York, cucumburs, No. 1, \(\$ 1.25\) per dozen: No. \(\because, \$ 2.50\) to \(\$ 3.50\) per case; lotturn, 50 couts to 75 cents per dozen; mushroms, \(\therefore=-5\) monts to 60 cents per found; rallishes, \(\$ 2\) to \(\$ 3\) jer 100 ; tomators. 10 eants to \(\because 5\) cents per pound; rhalmarb, \(\$ 0.51\) to \(\$ 4.50\) per 100 bunches. Killusis ('ity, mushroms, 35 cents per
ponhm. (hicago, mushroonis, -. eents t" 40 eputs per purd. Minneapolis, "u"umbrs, \& -•16umbirs, bo cents to \$1 per dozun. J'iftshure, encombers, \(\$ 1 . \operatorname{iog}\) to \(\$ 2.25\) per blozen. Cllevelani, mushrooms, 40 cents to Jo ants per pounil. Detroit, cucumS.ras, d.tin per dozen; lettnee, 9 cents to
 bers. कl. \(\boldsymbol{\pi} 1\) to \(\$ 1.75\) ger dozen. Denver,
 rinnati, rubnmbers, wlits per dozen.

The Lewis and Clark Exposition.
GRAXD I:ルムE SHMW TO BE IEELD.
Ghe of the larerst and most beantiful rose shows exrr sern, will be held at the Lewis and Clark Exposition, under the auspices of the Fortland Rosi socjety. 'Thmusands of roses will ho "listribinted to visitors. An Oregon row day will also be held during the exp". sition, at which the society will awarl prizas for the most complete pxhibits. Irominent florists and growers from all ofer tho comntry will be invited ton participate. The society will not hold a rose show in Portland this summer, lnt will give its place to the exhibition at the centennial.

The booth of the Portland Rose Socifty will be located in the Oregon statp lmihling, and will be maintained untul the exposition closes. The thousamle of roses that are to he given away will be furnished by members of the societr. The limies of the society are determined to sceure for Portland the envi alde rrputation of being the most beantiful "ity in the worlh, and in this mant ner it is hoped to alyertise Portland for its natural beanty, and to express to outsiners the friendly feeling that is held for risitors by residents of the city.

\section*{Illinois Floriculture Bill.}

The following telegram was received too late for insertion in our issue of last week:
pringhild, Hll, Narch 2.—Phil. J. Thaswirth, licorger Asmus, W. N. Rndd,


NEW TRANSPLANTING TRUCK


Phil. I. Foley, Peter Reinberg and James Hartshorne, who eame to Springfield to argne for the floriculture bill before the house and senate, returned home to-day, having made a most favorable impression on the legislators. Mr. Rudd's speech before the house committee was especially convincing. Owing to the policy of economy, however, it is not likely the bill will pass in its present form. The inclination is to make it an amendment to the general agricultural college appropriation bill and cut the amount allowed down to \(\$ 5,000\) a year.
which contains \(1,000,000\) bricks. Around the great eourt are two balconies rising one above the other supported by arched colnmns. From these balconies the many offices in the building are entered. In the eenter of the court is a fountain octagon in form, with a triple arch of lava rock in its center, and eight urns around its edge, for flowering plants.

There were used in the decorations of the building four earloads of southern smilax and other greens from the south; near 1,000 cocoanut palm leaves, 18 to 25 feet in length, from Porto Rico;


PENSION BUILDING, SCENE OF INAUGURAL BALL, WASHINGTON.

\section*{THE RETAIL TRADE}

\section*{Inaugural Ballroom Decorations.}

The decorations in the great hall or court of the U. S. Pension building, for the ball, a leading feature of the festivities incidental to the inauguration of Theodore Roosevelt and Charles W. Fairbanks as president and vice-president, were in conception and execution, on a scale commensurate with the greatness of the event which they honored and worthy to adorn the noble architecture of the Pension building. It has been well said that the hall must be viewed as a whole for a full appreciation of the effect which has been aimed at and achieved. For beautiful as are the individual decorations, they are all but the part of the general plan, that ean be best described as a Venetian garden under the blue arching sky of the tropics and flooded with a mild yet resistless radiance that even tropie moonlight is powerless to equal. This happy resnlt was accomplished by an exceptionally able inaugural committee of which Gen. John M. Wílson was head; by a sub-committee on decorations composed of practical men with fine artistic tastes headed by James Fush Marshall, ably assisted by Victor Mindeleff, and by the decorative ability of J. II. Small, Jr., of J. H. Small \& suns, the floral decorators.

A fow figures are necessary as a prelome to a correct explanation of the magniturle of this work. The exterior lenith of the Pension building is 200 x 4115 feet; interior length 316 feet; width 116 foret; height 159 fret. The roof is supporter by right onormons columns, (ach 89 fect in height, and each one of

5,000 yards of laurel roping; 500 laurel wreaths; 50 Roman wreaths; 500 native eedars; 2,000 American Beauty roses; 3,000 red, white and pink roses of other varieties; 500 azaleas; 300 genistas and about 100 large bougainvilleas. A great amount of other stock was used that consisted of ferns and other potted plants for the hanging baskets, a large number of which were suspended from the balconies, and spireas and dracænas for the fountain urns. An important feature was the display of orchids and American Beauty roses in the presi dent's reception room.

The reception room of the vice-president and the supper room were also beantifully decorated with green, and choice cut flowers. The seheme of decoration was gold and green with very liberal dashes of brighter colors. A heavy border of green ran around the front of both balconies. Over each balcony column in the spring of the arch was a plaque composed of flowering azaleas and daffodils and magnolia leaves, and gold tinted electric globes were liberally distributed throughout. On the second balcony the front had a lighter border of green; wreaths of green encircled the groups of gold tinted electric globes and young cedars of uniform height were placed over each column.
On eaeb side of the president's reviewing stand, at the west end of the hall, were columns of the immense Porto Rico palm leaves skilfully worked together so as to produce the pleasing illusion of real palm trees.
At the east end, the orchestra was flanked by banks of large palms in tubs; a number of these were so large that a derrick was necessary to hoist them into place. The orchestra screen was decorated with bougainvilleas. The interior of the fountain was lined with smilax, the lava arches decorated with drooping ferns and each of the eight urns were filled with Dracæna indivisa, genista and spiræas and asparagus.

To General Wilson, his personal representative Major Bell, Captain Archer and Mr. Brooks of the Pension building and J. H. Small \& Sons, the decorators, the writer extends hearty thanks for courtesies received.
S. E.

\section*{St. Patricis's Day Luncheon Decoration.}

Here is one that was recommended by a promineut paper last year:

For this St. Patrick's day luneheon decorate the table with a tall harp in the center, made of vines and bedded in roses. Put small green flags among the candies, ollves' and nuts. Use green eandles, with shades decorated in sham-
rocks
Use shamroek and four-leaf clovers, made of eream water color paper for place cards, tying them with green ribbon and painting the names of guest and hostess in white. For souvenirs get bonbon boxes, made like Irish potatoes, fill with green eandies and

inaugural reception decorations at washington.

\footnotetext{

}
tie with satin ribbon. Serve an imitation salad of green tissue paper, in each leaf of which wrap a familiar quotation from Irish poetry. One can find many of these in Moore. Request the guests to guess the poem from which the quofreshments in green glasses and top off with green chartreuse or green mint.

\section*{New York.}

MAKKET GENERALLY DULL.
There is no tone to the market whatever. The business of the past two weeks has been bad but is now lighter and without bottom. Arrivals are heavy, and as a consequence ice boxes are crammed. Buyers for the most part are dictatorial, and this term does not exclude many of those prominent in retail circles. Arrivals are much too heavy and there is an entire lack of balance. Lent is here, and the commission men are face to face with an annual problem. The solution is more or less with the retail trade, and experience proves that the Lenten period is not the bugbear it formerly was. The consumer in society circles may go into retirement for a while, but consumption from other classes will assert itself, and it is not expected that the volume of business will be curtailed to any extent. The demand for roses is not so strong as it was a week ago. American Beauty roses are dragging-at top figures, and prime stock does not command premium prices. Bride and Bridesmaid are extremely plentiful, and of good quality, but it is only re-selected specials that bring top prices, and sales are light at that. The ordinary run of specials is not bringing more than ten cents. Carnations continue in heavy supply, and only blooms out of the ordinary bring top prices. Enchantress is still going off at low figures, and Prosperity is not holding values. Bulbous stock is very plentifnl, and, on the whole, moves fairly well, but with no advance in prices. Lily of the valley is to be had in abundance, and extra selected stock brings little more than quoted prices. Smilax and asparagus is moving well at prices within the range quoted, but the quality in general is not all that could be desired. Violets are selling better, but prices have receded owing to the great influx of stock. The congestion experienced for some time in this product is practically ended, and stocks clean up pretty well every day.

Market, March 8.-The market is extremely dull, bad weather, elevated and subway railroad employes' strike and opening of the Lenten season all contributing to minimize business.

\section*{notes.}

Ford Brothers have taken the premises 48 W . Twenty-eighth street aud will move from their Thirtieth street quarters about April 1. The firm has been hampered for want of room for a long time, and the new premises will give them a much needed relief. A mammoth ice box is now being installed in the new premises.

Twenty-eighth strect is now the center of rumor in regard to new comers. A prominent Thirtieth street dealer is expected to take quarters in present vacated premises, and other quarters already fitted for the florist's business may be in the market any day.

Robert Kift will be the essayist at the Florists' Club meeting next Mon-


INAUGURAL RECEPTION DECORATIONS AT WASHINGTON.

day evening. His subject will be "The Rose in Decorative Art.'

Flowering plants of the Crimson Rambler rose, genistas and rbododendrons now alorn the windows of prominent florists.

Edward 1 : Horan was handling peomies this week.

\section*{Chicago.}
tife market.
The week has developed but little change in the wholesale market. Shipping traile continues fair but the demand is far short of the daily receipts of stack, with the passible exception of the better grades of tea roses and American Beauty. Prices have taken a slight drop in roses, owing to the increaserl supplies. Carnations are among the most mentiful of the staples and some remarkably low figures are ruling for fairly good stock. White has been in demand for local funeral work. Bulhous stock is of high class quality, but there is so much of it that it heoomes a nuisance at times. Spring and Eastor stock is appearing
and indications are that the quality of everything in this line wiil be of the best. It is difficult to hold back the quick growing bulbous flowers, anil Easter coming so late this year the chances are that there will not be a heary oversupply at that time. Calla and Harrisii lilies arr boing eut by local growers in profusion and the demand keeps about on a mar with the supply. Violets are lown in frice, althoush they wre wneralls of goot quality. Thr work hat been spasmmide, womb days fairly brisk, others lagging woefully, Southern shipments Satumay helped to clean up the week 's supplies in goon shape. Local retail trade has beon inliferent, tho alvent of Lent making itself folt.

\section*{Notes.}

The Home \& Tavlur Manufacturing Company, makers of wixe Aesigns, is a new enterprise which hous established itself in the Flow (irowne' Market. A general line of wir" work will be handled. The partmors have had long experience in thp hasinpse their main oftices aml factory homg Incated at lat
IV. Lake strect. John W. Howe, Jr., is general manager and Julius Taylor, secretary and treasmer.

Among the repent sales of Kroeschell Prothers Company are boilers to the following wrowers: Jacol Phillips, Rogers l'ark, Ill.; Frank Oechslin, Cni cagu; Gelvin © Son, Sedalia, Mo.; J. Ton der Linden, Rhinebeck, N. Y.; J. 11. Cockerott, Northport, L. I.; George Mathews, Great Neek, N. Y.: Grant Newport, Cedar Rapids, Ia.

The Illinois Good Roads Commission has issuen its report, from which some information meful to extensive growers may be ontained, especially thuse whe hase long hauls of heavy loals on bat roans in rural distriets. Ask your representative at Springield to send you a copy
Sinner Brothers have their range in nool shape for the spring and are now un with good crops of Bride and Bridesmaid roses of good elass. They will improve their place this season, replacing masy old lienches with new ones.
It is mot arergone who is nowadays fortmate enough to haw plenty of Liberty roses. Bassett © Washburn howerer, have been entting heavily of this prime favorite and there are always more than enough rifing takers.
L. Bammann it Company have just remived a large shipment of metallic dewigns and the new rusens reeds. Rnsrus is a matural spay resembling a small leaven smilas, preserved in its natural endition.
N. J. Wietor, besides his regular office duties, has been busy this week with the grand spring bazaar given by the St. James Chureh on the Ritge. He is one of the active workers and reports large receipts.
(ieorge Baldwin, Oak Park, lost his lirother who had but lately arrived from England. 110 died of typhoid feves. lliz little dimghter is also seriously ill with phenmonia.
The sympathy of the trade goes out to John Pierson, manager of the George Wittbold Company's North Clark street store, whose wifo died March ab.
The ficmrge Wittbold Comprany has fro new houses under way at the Edgetornk range, the A. Dintech Company furniching the lumber.
W. N. Ruth has string holes for the floricultur bill now bufore the legista-

The Chicago Daily Tribune is making a feature of Johu Thorpu's gardening hints.
Tisiturs this wenk were A. Meyer, Jr.. suforintendiont of city parks, St. Lenuis; Giejrge F., Jiartung, Sundnsky, o

\section*{Philadelphia.}

Demay mentinues gomb
Basinuss has been much better, the Wmand for last work, thu final on wind -up, if the soriall surtson kerping the forys moviny. The stowk of all kinds caminy in apmars the ment a poaly Jomable and there is litte if any andimatations. Amorian bianty rasis :lre still surare amd pices of at weok :nformail: ti.n hang the price for the wewials. "amations ary fine an! :1 Whath Jowner for some rolurs. Tiolets are moving fairly well at an to fill rents
 "unts for the simsles. fardmias solit "uth the past werk; thair nas is heom-
 are aming jo now would have rom-
pletely stalled the market two years ago. Some very pretty plants in pots with quantities of buds and several "मen flowers are now offered by the growers and find much faror with the malic. The stores are now gay with a large assortment of blooming plants, there being samples of almost all the Faster stock except roses.

\section*{Flolis'sts' club.}

The March meeting of the llorists, Club. was very interesting. P. J. byuch's paper on "Some Notes on the Nemer lioses,' was a rery raluable addition to the literature on the subject and foll of eorrect information, the rwsult of Mr. lynch's long experience in handling the newer introductions. The large attendance present were much disappointed in the display of new varieties which were notable by their absence, but letters from a number of growers read by the secretary showed that all were now busy getting up stock and had nothing to exhibit at this time. Myers \& Samtman exhibited a new pink spedling, a eross hetween American Beanty and Satrano which looks to have a future. It was a large ilower, color of Testout with fine stems and foliage. The next meeting of the club will have the merits of hard and soft coal up for consideration and Charles 1). Ball will present facts and figures to frove that one kind is much more adrantageous than the other. A con"ext and musicale for the benefit of the club will be held on Mareh 20 at Griffith hall, 140 Chestmat street, for which las been secmred the best talent in the "ity. Get your tickets early for the molest price of tis cents. The proyramme will be first elass in every respect.

\section*{Trade news.}

At W. K. Marris' they are especially phased with the progress they have mand with the express companies in the safe delivery of goods for out of town points. Last week a large shipment to Washington reached there exactly on time and on arrival the company telephmer the consignce to see in what birt of the city ther would like them dalivered, This elose attention to the interests of the shipper Mr. Harris 'liams is limoglt about by a heart to lomet talk of the needs and necessities of the lusiness they were handling. By his arrangemont a note now goes with (airh shiment so that all agents who hamble the goods are held responsible and take a personal interest in seeing to their prompt and parefnl delivery.
F. Sumst, at laoli, is sending in some nice lilaw which moves quickly. Wator cress is also hamded largely by this firm, thair out mont being some thonsalluls of bunches liaily. The orders for (onr large hotel alone, range from 500 to 1.000 binnehes fer day.
W'ith the refurn of spring our sick are on the mond; W. K. Harris is unw alle to sit up, Mr. Lonsdale has roturned to the fich of his lahors and Fohert Craig wha has ben enfined to The honse with the grip is now about :Mrim.
lohnert Craig \& Son are senting in some fine Rastor lilies. Their weneral baster stock is romines on finl, the whistas and hougainvilleas leeng top mothers.
Visitors in town: II. Bunyarl, repre spoting A. T. Rowlingtom, :lul Wm. Salter of Ehhingor \& Yan Ciroos. of loovaoil, Hollind.

\section*{Baltimore.}

\section*{the mariet.}
'There are signs, only signs, of rethrning spring. 'There is more sunshine, yet within tue week the mercury on two successive nights went down to \(12^{\circ}\) and \(13^{\circ}\); and on Wednesday, when March rame in like a sullen, ill-tempered lion, there was a snow storm which, coming a day or two later, would have male as miserable au inauguration day as were the melancholy ones of Cleqeland and larrison. It was the thirty-seronth day of the winter on which snow has fallen. The month of February has been one of the coldest known here since metcorologicai records have been kept. The normal mean for Felruary is \(35^{\circ}\), but this rear it registered very close to \(27^{\circ}\). It goes without saying, that with fewer flowers and bigerer coal bills pxressive profits will putii up with pride very few gardeners this year. The influence on social entertainments, too, has been depressing. And now Lent begins, which puts a quictus on big festivities, though smaller alfairs, teas, eard parties, and the like are more numerous than before the so-called season of penitential oliservance. A marked deereased demand for flowers for church decoration is felt till Easter, lut Leaten dullness hardly exists as in rears gone by. The cut flower trale was moderately artive only last week, and towarēs its end there was an orerstock of earnations. American Beanty roses were not attainable, and to fill one or two moderate orders the stores had to appeal stremuously to New York, Philadelphia and Washington. Greens also are very seares.

\section*{sotes of tile tride.}

There were two notable dinner decorations during the week. The Feasts had an order for another diuner given at the Belvedere for women and men by Oscir G. Murray, president of the Baltimore \& Ohio Rairoad Company, who is distinguishing limself this win ter as the giver of strikingly handsome dinnors. At this one there were magmificent effects prodneed by myriads of olectric lights, flowery garlands, splashing fomntains, and the sparkle and gleam of crystal and silrer. On Thurs. day eroning, Wm. .J. Halliday gave his personal smpervision to a striking tajie rmbellishment for a dinner given by the governor of the state to Captain Bromnson, the superintendent of the U. S. Naval Acartemy at Annapolis, who is about retiring from that post and who will be promoted to he admiral and given eommand of a squadton. The main table decoration had reference to this, it consisting of a floral man-ofwar, in armored eruiser carrying an almiral's flag, floating at anchor on a silvery lake and surronnded by embankments of seenery, etc.

John Cook and another rose grower mate a pilgrimage last week to Alexandria, Va., to sel the new French red rose Etsile de Franee at Mr. Loose's. Thtortmately there were only a few buls on the plants and no open flowers, but the visitors felt repaid for their visit in examining the extensive and well arranged plant of their host, which sends an incxlanstible supply of flowpes to his handsome Washington store.

Tho Marechal Neil rose is practically a thing of the past with florisls of the
present day, but Alex. McCormick, Jr., of Fullerton, continues to grow it. He has just gathered a crop, and had also a fine lot at Christmas, and found that all were eagerly taken up by the trade, the short stems of this magnificent rose to the contrary notwithstanding.
gardeners' club exhibition.
The Gardeners' Club hed its carnation show Monday afternoon and evening, with a large attendance of visitors. The display was good and included several seedlings not yet introducee to the trade. The following received certificates of merit: Charles M. Wagner's Lady Edua, a dark pink; John Cook's unnamed white, a seedling from Lawson; H. Weber \& Sons' My Maryland, which has been exbibited generally this season; John E. Haines' red which he calls by his own name. Other carnation exhibits were Enchantress from Mrs. T. Harrison Garrett, Charles Cifler, gardener; Genevieve Lord, Prosperity, from Lehr Brothers; Mrs. Lawson from John A. Nuth; Flamingo and Mrs. Bradt from Isaac H. Moss; a seedling red from Fred C. Baner. In rases, John Couk showed his Cardinal; Wm. Madsen, Bride and Bridesmaid; Stevenson Brothers Golden Gate and Bride and Mr. Uffer, Ivory, John M. Rider harl single violets and C. M. Wagner Marie Louise; and Philip B. Welsh, sweet peas.
S. B.

\section*{Washington.}
inauguration week.
The past weel closed in a blaze of glory, and good business for the florists. While a risiting crowd is not noted for buying flowers, their presence quickens the market as the residents invariably brush up a hit and buy flowers when they have "company." The great number of American Beauty roses used in the decorations for the inaugnral ball aud the unnsual mumber of dinners and luncheons, had the effect of stiffening up the prices to a considerable extent. The ruling price was \(\$ 15\) per dozen, specials going as high as \(\$ 20\) to \(\$ 24\) per dozen. Fortunately the supply of all eut stocks was better than for any week since Christmas and little inconvenience was experienced by anybody in securing all they wanted. The fine weather, a bountiful supply of carnations and riolets coupled with the greatness of the opportunity, brought out the "greeks" in considerable numbers to do more or less curbstone busi ness.

\section*{NOTES.}

A feature of Geo. H. Cooke's trade was decorations for luncheons in rooms on Pennsylvania avenue that were leased by prominent men for the purpose of entertaining their friends with a view of the procession. Incidentally, it may be stated, that he who sees all of an inalugural procession, needs a lunch with bim.
A. Gude \& Brother's store was decorated with the national colors with a window decoration representing various species of orchids growing in their native wilds.
Z. D. Blackistone had a good week and carried an exceptionally fine stock of American Beauty and other roses and carnations.
T. R. Freeman did a good business and is cutting fine roses and carnations at his Brightwood avenue range.

Geo. Shaffer was so busy on inauguration day and night that be did not have time to attend the ball.

As an object lesson in patriotism, A. B. Garden gave his men a holiday on March 4.
S. E.

\section*{St. Louis.}

MMPROVED MAREET CONDITIONS.
The market during the past two weeks, owing to weather having moderated, bas improved. Stock in every line is much more plentifnl; even roses, which have beeu very scarce, have increased in supply and prices have fallen. Carnations are quoted from 1 to 3 cents; roses 3 to 6 cents. Violets have been plentiful, splling at 25 to 30 cents per 100 . Sweet peas have stiffened in price and are now quoted at 50 cents to \(\mathbf{i} 5\) cents per 100 . It the warm weatber continues we can look for the early aruival of all varieties of blooming plants.

\section*{NOTES.}

All growers are invited to the next meeting of the Plant and Cutfower Growers, Association. It will be held at 911 N . Vanderenter avenue on Wednesday afternoon, March 15 at 3 o'clock. There will be interesting diseussions.

Toe Hanser, of Wehster, Mo., whose houses were destroyed by fire, is preparing to build three new houses for this spring's trade. He will endeavor to grow a lot of bedding plants in hotbeds and frames.

The Florists' Club announces a rose meeting for Thursday afternoon, Mareh 9. They offer prizes in seven classes. A large attendance is expected. Refreshments will be served.

Orders for funeral work have been quite abundant. Trade throughout the last few weeks has heen far in excess of that of the first part of the year.

Otto Benson, of St. Louis county, is briuging in some good carnations. He expects shortly a good supply of blooming plants.

Theodore klockemkemper in North St. Louis is wanting to lease or sell his place.

Dr. Wh. Trelease is in Old Mexico and is expected back about April 1.

Alex. Siegel handles every Saturday a large assortment of carnations.

Young \& Sous report spring trade up to the average.
V.

\section*{Cleveland.}

Business for the past week has been anything but satisfactory. The advent of Lent has been felt in a most decided manner. Values have decreased in nearly all lines, more especially in carnations, which are selling very low, large lots going from \(\$ 10\) to \(\$ 15\) per 1,000 . Roses are holding up fairly well except red, for which there does not scem to be any demand to speak of. Owing to a number of large funerals lately tulips have beed moving somewhat better. American Beanty roses are still short; no decided quantity is looked for before April.

Smith \& Fetters have had a number of elaborate weddings recently, among those being the Burnham-Brandin wedding which was beautifully executed and received many fattering compliments. They will move into their new quarters April 1, which is directly
across the street from their present location. The new store will be much finer than the one they now occupy. The floor space will be doubled which will greatly facilitate the handling of their large business. Frank Smith, the senior member of the firm, is at present on a trip through the eastern cities.

Lars Andersen, late foreman for the J. M. Gasser Company, has gone into the growing business for himself at Rocky River, O. When the houses are completed this spring he will have about 20,000 feet of glass. Carnations will be grown prineipally.

Collins \& Harrison have opened an annex in the Hollenden hotel where they expect to do a gond business in the sale of cut flowers prineipally.

Echo.

\section*{El Paso, Tex.}
I. A. Kezer, who has a centrally located flower store here, is doing a good trade. He ships in nearly all his stock, at present mostly from Los Angeles, 1,000 miles distant, but uses also Chicago, Denver, and Kansas City, as supply points. tle reports that nsually shipments reach him in good order, but sometimes trains are ten hours late. He covers over 600 miles of sursounding territory.

\section*{Battle of Flowers at Villefranche.}

Nice, France, Mareh 1.-At Villefranche the annual battle of flowers has just taken place. Enormons crowds from Monte Carlo and Niee witnessed the beautiful spectacle on the bay, which commenced at 2 o'clock and continued until 5 o'eloek with great animation.

\section*{OBITUARY.}

\section*{Mrs. Charles Eickholt}

Mrs. Charles Eiekholt, of Galveston, Tex., died Marel 1 after a lingering illness. A sketch of Mrs. Eickholt's career, with portrait, will be found in our issue of February 4.

\section*{P. T. Huddart.}

Peter T. Huddart, of Salt Lake City, Utab, died February 21 at the Turkish bath parlors in the Kenyon. He hall been at the institution for a week, undergoing treatment for a nervous disorter, and seemed to be on the road to recorery. About 1 o'elock, after having partaken of a light meal, in attempting to ralk across the room he was seized with a fainting spell and before medical assistance could be had the man was dead.

Mr. Huddart was born in England in 1864. From his childhood he hall worked in and about a greenhouse for his father, who was a Horist. At an early age he came to Anerica and worked at the floral husiness in Nerv Tork cify for two or three years. Some nine years ago he went to Salt Lake, where he set up an establishment ot his own, and this city had since been his home. He leaves \& wife and one daughter, the latter four years old. A brother and sister reside in Denver. The deceaspd was a member of the Commercial Club, the Elks, Eagles and the A. O. U. W. See portrait page 276 .

\title{
THE \(A\) AMERICAN FLOBIST
}

TWentiete year.
Subscription, \(\$ 1.00\) a year To Curope, the.00 Subscriptions accepted only from those in the trade.
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The adrertising Department of the Americas Flofist is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only. Orders for less than one-half inch space not accepted.
Advertisements must reach us by Wednesday to ecure insertion in the issue for the following Saturday. Address

AMERICAN FLORIST CO., Chicago.
When sending us change of address, always send the old address at the same time.

England, it appears, is struggling with a rose (bloom) famine.
Cut Blooss of Bermuda lilies from that country are admitted here freo of duty.

Califorina carnation growers can produce carnation cuttings as satisfactory as those of any other section of this country.
The elaborate and expensive trade displays made by various concerns at the annual conventions of the Society of American Florists are worthy of more oubstantial reward than mere mention in the society's reports.

\section*{Forcing Azalea Mollis.}

Ed. american Florist:-
How long will it take Azalea mollis to come into bloom in a temperature of \(55^{\circ}\) at nignt with a rise of \(10^{\circ}\) to \(15^{\circ}\) in daytime? What would be the proper way to get them into bloom by Easter?
J. V. A.

\section*{Dvarf Cannas for Pots.}

Ed. American Florist:-
What variety of canna, if any, is dwarf enovgh to raise in pots, one that is also floriferous?
G. W. H.

Replying to the above, I have always used dwarf Florence Vaughan, David Harum and Express for this purpose. Any one nf these is dwarf, growing about two to three feet high, besides being very free and early flowering, making fine 5 -inch pot plauts.

\author{
J. S. Wilson.
}

\section*{Dictamnus Fraxinella From Seed.}

Ed. American Florist:-
Can any of your readers give me information leading to the successful propagating of Dictamnus Fraxinella from seed?
G. L. B.

The seeds of Dictamnus albus or D. Fraxinella should be sown as soon as they are sipe in fall. Sow in boxes or pots usine any ordinary potting soil and covering to about the depth of the secds. Place the boxes in a cool place where they will be safe from mice and other vermin, and they will germinate the following spring. If the seeds are kept over the winter and sown in the spring, they seldom germinate until a year afterwards. During the first summer the secdlings require eareful attention; after that they will easily hold
their own ielong with other herbaceous plants. Robert Cameron.

\section*{Best Market Violets.}

Ed. American Florist:-
What variety of violet sells best in the markets? G. W. H.

In answering 'rG. W. H.,'' we can speak only from the retail standpoint, as we do not grow for the market any more. With us we find that the single violet Princess of Wales, if well grown, will bring about donble the price that Marie Louise will. As we are in a violet section the people are probably getting tired of the double because they have seen so much of it. At present we are having trouble supplying the demand for the single.

> WM. G. Saltford.

\section*{Cleaning Pots.}

Ed. American Florist:-
I have read that algæ in water may be destroyed by the use of sulphate of copper. Don't you think that the same thing would hold good with regard to flower pots? I presume the scum that comes on the pots is one of this family and I would like to hear from someone of you experts on this line as to how it would affect the pot to soak it in a strong solution of sulphate of copper, and what effect sulphate of copper in the pot would have on the roots of the plants.
D.

It would not be sufficient to soak the flower pots in sulphate of copper, unless they were afterwards soaked in strong lime water in order to convert the copper into Bordeaux mixture. If the pots were soaked in sulphate of copper, one part of sulphate of copper to fifty thousand parts of water, then soaked in lime water, it is likely that alge: would be prevented from growing on the pots and no injury would result to the roots of plants that might be put in them.
W.

\section*{That Misfit Glass Tariff.}

Ed. American Florist:-
The price of glass for last year and this is fixed by the rate of wages that the factories have to pay for their labor. These laborers have such a strong combination that they are able to keep their pay up to about what it costs the factories to make glass, the same as the price of imported glass, with the duty added. The only hope for cheaper glass is the perfection of the glass-blowing machines or a reduction in the glass tariff. Most of the glass factories have had pretty hard sledding last year, as can be seen from the number that failed. Whether it would be an advantage to the florists to get the price down to \(\$ 2\) per box is questionable. There seems to be an overproduction of some kinds of flowers, and it might stimulate building to reduce the price of glass and so increase this overproduction.

Bassett \& Washburn.

Chrysanthemum Society of Amerlca. ANNOUNCEMENT OF SPECIAL PRIZES.

The following special prizes have been offered, to be competed for at the next annual meeting of the Chrysanthemum Society of America, to be held in Philadelphia:
F. R. Pierson offers silver cup for
thirty-six blooms, six blooms each of six varieties introduced here in 1904 and 1905.
W. Wells \& Co., Earlswood, Eng. offer a gold medal, a silver-gilt, and a silver medal for six flowers of chrysanthemum Mrs. Wm. Duckham.

Fred H. Leion, Sec'y.

\section*{American Rose Society}

Additional special prizes are offered for competition at the annual exhibition to be held in Boston, March 23 to 26 , as follows:

Pierson-Sefton Company, Jersey City, N. J., a \(\$ 50\) silver cup for the best vase of fifty bleoms of teas or hybrids, not less than three varieties.
P. Welch, Boston, a \(\$ 25\) silver cup for the best vase of roses in the show.

Peter Crowe, Utica, N. Y., a gold, silver and bronze medal for the best, second best and third best pair of vases containing twenty-five Brides and twenty-five Bridesmaids.

Wir. J. Stewnat, Sec'y.

\section*{Meetings Next Week.}

Baltimore, Md.-Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, Monday, March 13, at \(8 \mathrm{p} . \mathrm{m}\).

Boston, Mass.-Massachusetts Horticultural Society, Horticultural Hall, 300 Massachusetts avenue, Saturday, March 18, at 11 a. m. General discussion on vegetables, to be opened by W. W. Rawson.

Buffalo, N. Y.-Buffalo Florists' Club, 383 Ellicott street, Tuesday, March 14, at 8 p. m.

Cleveland, O.-Cleveland Florists' Club, Progress Hall, 244 Detroit street, Monday, March 13, at 7:30 p. m.

Detroit, Mich.-Detroit Florists, Club, Cowie building, Farran and Gratiot avenue, Wednesday, March 15, at 8 p. m.

Haarlem, Holland.-Royal Dutch Bulb Growers' Society, March 17 to 21, seventh quinquennial bulb show.

Manchester, Mass. - North Shore Horticultural Society, Friday, March 17.

New Bedford, Mass.-New Bedford Horticultural Seciety, Tuesday, March 14. Illustrated address on "Birds in Their Relation to Agriculture," by Edward Howe Forbush.

Newport, R. I.-Newport Horticultural Society, at Mercury Hall, Thames street, Wednesday evening, March 15, at \(8 \mathrm{p} . \mathrm{m}\). Special call meeting.

New York, N. Y.-New York Florists' Club, Grand Opera House building, 8 th avenue and 23 rd street, Monday, March 13, at 7:30 p. m.

St. Louis, Mo.-Plant and Cut Flower Growers' Association, Wednesday, March 15, at 3 p. mi.

San Francisco, Cal.-Pacific Coast Horticultural Society, Saturday, March, 18.

\section*{Catalogues Received.}

The Mitchell Greenhouses and Nurseries, Mitchell, S. D., cut flowers and nursery stock; Elbridge E. Wheeler, Bridgeport, Conn., seeds; F. Dorner \& Sons Company, Lafayette, Ind., carnations; D. Landreth Seed Company, Bristol, Pa., seeds; California Rose Company, Los Angeles, Cal., roses; D. M. Andrews, Boulder, Colo., rare seeds; Henry Saxton Adams, Jamaica Plain, Mass., seeds, bulbs and plants; Exors.
R. Campbell, Manchester, Eng., manures, insecticides, etc.; W. Attlee Burpee \& Company, Philadelphia, Pa., seeds; I. N. Glick, Lancaster, Pa., seeds, plants, etc.; Joseph Break \& Sons, Booton, Mass., seeds, nursery stock, implements, etc.; Joseph A. Schindler \& Company, New Orleans, La., seeds, plants, etc.; The Page Seed Company, Greene, N. Y., seeds; Barteldes \& Commany, Denver, Colo., seeds, implements, etc.; William C. Beckert, Allegheny, Pa., seeds; Vilmorin-Andireux \& Commany, Paris, France, seeds; Joseph W. Vestal \& Son, Little Rock, Ark., plants; Henry F. Mitchell Company, Philadelphia, Pa., seeds, plants and bulbs; C. S. Harrison, York, Neb., nursery stock; The Fraser Nursery, Huntsville, Ala. nursery stock.

Looms, Cal. -The California Caratron Company was sold February 11 by Mating \& McGowan to Johnson \& Thylory, of Sacramento, Cal. Mr. Misting has not decided so far what he will do.

\section*{SITUATIONS, WANTS, FOR SALE. \\ One Cent Per Word.}

\section*{Cash with Adv.}

Plant Advs. NOT admitted under this head.
Every paid subscriber to the american Florist for the year 1905 is entitled to a five-line want time during the year.

Situation Wantod-Agcarastion or rose grower 6 years ex perience. Carnations preferred. Stat io fret letter with or without board. Address Box 189 , care American Florist.

Situation Wanted-By florist, single, 28 years also a good propagator and gardener. Address

Situation Wantod-As landscape gardener, superintendent or nursery foreman. Thoroughly experienced. State wages. Address
samuel Scott, Boys 387, Wakefield, R. I.
Situation Wantod-By a boy 16 years old, Ger-man-american, obliging and honest, to learn the florist trade. Address

Henry Dune, Wiley Mill, Blandon, Pa
Sltuallon Wanted-By a strong boy past fourteen, fairly well educated, desires to learn the florist trade. Address
Charles Duke, Wiley Mill, Brandon, Pa.

Sltuallon Wanted By artistic decorator and designer; competent to take charge of Hrat-class store. Beat of references. Address with full par
Box 191, care American Florist.
titular

SItuation Wanted-By practical florist. Long experience; good grower of roses, carnations and general stock. Middle-aged, married. Private place preferred. Address
box 198, care American Florist.
12 Situation Wanted ley young German florist: 12 years' experience in carnations, 'mums and general stock, and 8 years in design and store F. H. Will, be Palmer Ave.,

Situation Wantod-By a Dutchman, well up in firm, wants a position with an American firm. Speaks English, Dutch, German and French. Address Box 194, care American Florist.

Situation Wanted By a competent florist; 21 years' experience in greenhouses. plants and
fruits: know landscaping; have diploma. able to fruits; know landscaping; have diploma, able to
take full charge in every line of the business. take full charge in every line of
Only good place wanted. Address
ace wanted. Address
Box 186, care American Florist.
Situation Wanted-To take charge of large private estate or public institution by florist and landscape gardener: German, 36 years of age;
hie experience; best of references. Kindly state wages and particulars. Address

Box 18t, care American Florist

> Siluetion Wanted -As foreman on good sized commercial place where growing roses for cut fowersis made specialty. Refer to Ales. Montcomery, Waban Rose Conservatories, Natick, Mas. Address

Box 183, care American Florist.

Situation Wanted-Ry experienced florist and gardener; Thane, married, small family, ga 36. Experienced in greenhouse. vegetable and landohio or Iodiestored private place in Box 199 , care American Florist,

Situation Wanted As manager or foreman, by gardener of 20 years' experience in growing all kinds of plants for the mail order trade; 43 years of age married; strictly temperate. Can furnish references. Good salary expected. Address
Lock Boz 3, Rose Hill, N.

Holp Wonted-Section florist. Call or address
1. Wood Brant, 60 Wabash are. Holp Wanted-A reliable man to take charge
or small place, to grow carnations, roses, 'mums, of small place, to grow carnations, roses, "mums,
violets and general stack. Address E. Power, Frs

Holp Wantod-Goodgrower of carnations, roses, mums and general beddiog sta
B. B. Blair, Charlevoix, Mich

Holp Wanted -A good, all around man for Wholesale and retail commercial establishment. Send full particulars. Address
\[
\begin{aligned}
& \text { Bor } 199 \text {, care American Florist. } \\
& \text { the }
\end{aligned}
\]

Holp Wanted - Rose grower, single, to take charge of two 300 foot houses, under foreman. State are, experience, etc.
The Gasser Co. Fuel

The Gasser Co., Euclid Ave., Cleveland, \(O\).
Holp Wanted-loung man at once as hal per in greenhouse; one that has had some or small place in Indiana. Address

Holp Wanted - A young ina, single, with some Holp Wantod-A young nan, single, work on a private place. Wages \(\$ 45\) per month without
board. Address Box 1392 , Beverly, Mass.

Help Wanted-Rose grower; competent, tamberate and trustworthy. Only man who has row n first-ciase stock wanted. Apply, giving references and full particulars, to

Robert Simpson, Clifton, N. J.
Holp Wanted - Immediately, an all-sround man, grower of good roses and carnations; retain trade. Must be strictly sober and industrious. Good, steady place and good wages. Address

> Box 197, care American Florist.

Holp Wanted -A young man with one or two years experience, that wants to learn the trade bor rough wages ser per to nth with room and board to begin with. Address

Help Wanted -A good grower of roses and genal stack; mast be sober and good worker State age, experience and wages expected, with references, in Erst letter. Steady position to right party. Char. S. Call, Mcuongabela, Pa.

Help Wanted-Man wanted for the south who can look after advertiser'e property generally including lawn. trees. shrubs, etc. No flowers are raised. A man of ordinary knowledge and a good Hos 193, care American Florist.

Holp Wanted-At once, an all-around florist to she charge of \(3 \overline{5}, 000\) feet of glass. Must be hustler and know bia business, and handle help wanted. Jo drinking man need apply address Geo. M Kelloge, Pleasant Hill ,

Help Wantad-A florist who understands roses, carnations, 'mums and general stock. Young slogle mad preferred. Wages s7.50 With goo arden particulars in first letter.

Help Wanted - A good grower of roses, cara lions, chrysanthemums and general stock o plants. Must be sobered 20 . races. Address aud wages expected with refer

Help Wantod-A grower of Beauties, to take charge of section under oremall. Man not over 35, single. A good opening for right party. Per-
mantent position. Wages \(\$ 15\) per week. Six miles from Cleveland, on main trolley line. Send refer aces. Position now open. Address fences. Position now open. Address

Holp Wantod-bright young man for assistant gardener on large private place at Lake Mine ion and know how to handle a team. Must be strong, neat and sober. Send experiancas and references in first letter and when will be able to start. 33000 per month, board and lodging Good treatment. Address

UEsyond, St. Bonifaciue, Min.

Wanted -Scott's Florists Maous.. State price
Wanted Address of Scored Nielsen. Dane Box 200, care America Florist

For Rant-550 per month, five greenhouses, 9,000 square feet of glass, niobe and one-bali acres esth for stock, bouse and ba ra etc, near Chicago. Address
Box 152 . care american Florist

For Sale or Ront-Retall business in a live town, 5,600 square leet of glass, well stocked stare in good location. Other conditions favorable. Good opeang for capable man who wants to
work for himgolf. Address Boy 190 , care American Florist.
For Sale Greenhouses and retail store in Gal veston, Tex. Owing to illness will dispose of a good business at a reasonable rate. Have worked Full particularsmav be had by addressing Box 175, care American FLorist

For Sale A greenhouse property in a flourish ing town of 8,000 inhabitants in the state of Indiana; houses stacked with roses, carnations miscellaneous stock and bedding plants; a sepgrate store building in front of greenhouses. For particulars address

Box 162, care American Florist.
For Sale- i well established business in thriving town io Indiana; 14,000 square fee of glass," up-to-date stock in foe condition of roses, carnations and miscellaneous stock. An exceptional opportunity, as owner wishes to retire. Cash or payments. Last year's sales
over 5 , 000 . Address Box 195,
B os.

For Sala-Nurseries of three acres, including 12,000 feat of glass; heated with hot es, including stocked with palms, ferns and house plants 24000 feet of lath house, 5,000 smilax, 500 Asps ague plumosus, etc. The site is on the bon-too street, twenty blocks from business section. For further particulars and price address

75 Bray Building, Las Angeles, Cal.
For Salo-Haviog decided to retire from the greenhouse business we are going to sell out entire plant at a bargain, consisting of 12,000 square feet of glass, all built new and up-to-date, heated with steam, complete for carrying on retail or Wholesale business, two dwellings, basra and all equipments for running a flrst-class estab 10,000 ; no competition, elegant retail in a city of of land for enlarging. For

Box ifs, care America Florist.

\section*{UNUSUAL OPPORTUNITY.}

For Salo-Greenhouse property, stock and ratal business, consisting of eight greenhouses and store, about 22,c00 feet of glass, fully stocked and ln frst-class running order, steam heat, electric lights, etc., situated in wealthiest part of Phisdelphia, right in center of a growing population.
Doing a first-class retail business. A splendid Doing a first-class retail business. A splendid
opportunity; only \(\$ 3,500\) cash required, remainder can remain on mortgage at 5 percent. To clue an estate.

Boas 111, care American Florist.
FOR SALE About so,0co feet of glass nearly保 houses in splendid condition: two built lust sum, nev; 7o-inch by 16 ft . boiler heat o the glace with ease; another large baler in reserve. Michigan's great coal field but a short distance furnishes coal at a very low price. A splendid wholesale aud ping points io Michigan, reaching the best shipping points ia Michigan, reaching with ease and Buffalo, Detroit, the Saginaw valley and all points east, west, north or south. Splendid treble in figld-grown carnation plants as well as rooted cuttings. Stock io fine condition. Sol and chiusn city and aus to growing caraations-both for field and houses. An exceptional chance for some one to step into a well established business.
Will also sell or rent 4 large or medium sired house. For further particulars address

\section*{Florist Wagon For Sale.}
and sides upholstered ia leather. two windows on each side, double plate beveled rims, color of paining, body dark Prussian blue frith gold
trimmings, silver trimiaings on bubs, shafts and unning gear, wheels painter mon red with black stripes, silver side limps, eight movable helves inside, ever teed as represented. A flab wagon for garish an large city; is very attracuve. Wh11 give sis moths credit to responsible party. Have three WALTER BUTLER, Florist!, Chillicolte, 0.

\section*{San Francisco．}

GHIME THADE IITELT
Trasle has been going along at a putty tali rate lately．The many social funtions are all coming with a rush now，owing to the near approach of the Luturn smason，helping things along womidrinlly．Outside stock is begin－ ning to come in with a rush as a result of the extremely warm weather we are now inving．Fruit blossoms，etc．，are now in great protusion and are being liherally used in decorations．Roses rontinue scarce．There is no change in the carnation market．We have noticed that the warm weather has put some of the varieties a little off color．It came upon the growers so quickly that they were unprepared for it．Violets are still with us and are very cheap not－ withstanding the excellence of bloom and size of the bunches．Some of our growers will soon be in with Spanish iris．This flower was in good demand last season and brought rery satisfac－ tory prices．Harrisii lilies are not over dentiful，while nearly all other bulb． ous stock is a drug on the market．
NETS NOTES.

As a result of the recent appropria－ tion mate to Luther Burbank by the Carnegie Institute the world is to be given more fruits and flowers and trees hy the eminent scientist．Mr．Burbank has recently acquired more land for his experimental grounds and intenils to prosecute turther experiments with the new products which he was compelled 10 abandon two or three vears ago liecause of the expense heing too great and the time navailable．

Charles F．Miller，head gardener to the Leland stonford laiversity，is mak． ing great improvements in the Stanford \(\therefore\) aboretum．It was the inteution of Mrs．Stanfort to make this one of the finest in the［nited states．It was ariginally planned and dosigned by Thomas Douglass．

The enoservaturies in Goblion Gate park are alwars interesting but never morw so than at present．The great varicty of different stork is in fine con－ dition ami is a souree of mach interest to risitors．Supt．Melarem has devel－ nutal recantly into it chanmpion bowler．

The last meeting of the Parifie Coast bopticultural Society was largely attronder and many interesting subjects w．whemsen．The society is gaining in strength and membershije steanily．

A．Limbstrom masmi through last woek on his wis to Los Angelw where he expects to go in hasinese making at sparialty of tirus for the wholesale markot．
frank Pramanf of＇mapmay have a shbmald lot of krntias at present in their gramhomses at Geean Viem．

Charles Mitton，the gomng foreman tor lí IV：Mobellan of Company，repurts

dotn lfaeffore is mow with the fox suen fombray it thoir grewhonses and trial Groumals at l＇iectmont．
kine \＆Krass is the bame of a new firm whimh has apenul up a store in lionne ズッチata．Norma．

\section*{Cincinnati．}

The bright sming－like weather of hu．pasti．Fow disy had a tromeney to hrinie thoweru alring with a rush．Chon－
 wtall kimis with the＂xereptinh of Amer＂
boan Beaty y roses．smilax and aspar－ agus seem to be growing scarcer with a gool demand．The market is glutted with bulbous stock and carnations and plenty of roses for all orders．Violets are fine with a finir lemand，the call being mostly for single．
A．Snnderbruch＇s Sons and Miss Eetith Kyrk had the loulk of orders for the funeral of Mrs．Louis Kuhn，wife of ane of our wealthiest bankers．Great quantities of flowers were used and some clegant work was noticed．

A．O．Williams formerly with Hard－ esty and Company has accepted a posi－ tion with the Rosebank Company

Martin Reukatuf，of Philadelphia， was in town this werk．

Park Superintendent B．P．Critchell is experiencing a little difficulty in getting about at present owing to an attack of lumbago．

Next Saturday the Florists＇Society will give its anmal exhibition of car nations and we look forward to a fine display

The writer last Sunday visited Eden park and spent a little time in the greenhouses．The large show house contains some fine specimens of palms while the croton house and fernery have a fine lot of blooming azaleas， cinerarias，primulas，etc．The half dozen houses of bedding plants are filled to overflowing with stocks of all kinds for bedding purposes．Mr．Knott and the men under him will have to do some calculating for room when repotting time comes along．The greenhouses are daily open to the publie．A．O．

\section*{Newport，R．I．}

BUSINESS CONTINUES GOOD．
With cold one day and soft the next we are having real early spring weather． The strents are also getting cloudy with dust，which is a sure sign of a planting ceason to come．Our florists have had another good week of business，both in cut flowers and funeral work；carna－ tions sell for its cents to \(\$ 1\) per dozen， and we notipet a few inferior ones at 50 cents；halbons stock goes slow，and Jo eents a dozen is about all customers want to pay．Is always，roses bring wood money，the regular kinds \(\$ 1.50\) to \(\$ 2.50\) ，and \(A m m i c a n\) Beauty at \(\$ 2\) to \(\$ 10 \mathrm{per}\) dozn，apeording to quality．

Notes．
A fow days ago Teamstur J．J．Dugan hauled a fifteen－ton Norway spruce from the J．I．Van Alen estate to the gronnds of Commodore E．T．Gerry Fight horses were requireh．Mr． Griftin，hearl gardener to Commodore finry，watehed usery detail．
r．A．Vanicek and wife arrised home a f゙ow days ago，having come from vis－ iting，for two months，Mr．Vanicek＇s pronts in Vienna．Mr．Vanicek also as usuat mate large purchases of nur s＋ry stonk in France，Germany and Hol－ lami．

Mrs．Arthur Criffin met with a very painful burning aceident some time ago． she slipped and in falling her right arm whas stratehed out for support and restal on the top of the hot stove．

Androw Meikle，head gardrner to Mrs．W．S．Wells，has been havjng a hirthday．Many of the craft called on him with good wishes heartfully exprosserl．
＇llor exerntive committer of the New－ fort IJorticultural Society has been hav．
ing a lot of work lately arranging the schedule of prizes and exhibitions to be held the coming year．

Asters bid fair to be a great feature bere next smmmer，certainly twice as much seed haring already been sold as in any previous season．

\section*{Syracuse，N．Y．}

The month of February showed a large increase in trade over the preced－ ing month，due to a greater number of social events and to the milder weather which prevailed．The month of March has also started in well and the pros－ pects are that a good business will be done during the entire month．There is such a difference in prices charged that it looks as if a rate war was immi－ nent．Up to this time there has never been any tromble over prices and it is hoped that there will be none．The public knows that the difference exists and the consequence is that the amount of＂shopping＂＇is on the increase． The purchasers try to buy closer than ever before．
Some novel funeral pieces have been made recently by Syracuse florists． Wheadon \＆Hencle made a policeman＇s badge for the funeral of Jailer Alexander Gee．The outline was of Lawson carnations and the groundwork of white carnations．A band of purple immortelles extended across the face of the badge．At the top was a cluster of callas and callas were placed at the points．Roses were also distributed about．
The death of Charles L．Beckwith，of Utica，oceurred last week．Mr．Beck－ with is known to all of the older gar－ deners as having once been gardener for R＇oscoe Conklin．He suffered from a complication of diseases and his death was not unexpected．
P．R．Quinlan \＆Company have had a busy week supplying flowers for a large number of teas and receptions．
Heury Morris has a fine display of plants and reports a good plant busi－ ness．

A．J．B．

\section*{New Haveu，Conn．}
＇The carnation exhibition given Tues－ day，February 21，by the New Haven County Horticultural Society was a suc－ cess in every particular．Frank Kinu berly exhibited fine Prosperity and En－ chantress while James Bruce showed both roses and carnations in variety． Tohn Murray of the Yale Botanical Gardens showed several promising seed ling carnations，one a pure white， fringed，another it pleasing pink re－ sembling Joost．A．J．Thompson made a good showing of carnations．
Frank Kimberly read a paper deal－ ing with the culture of carnations and Charles Kern gave the history of the carnation，tracing it back 300 years before the Christian era．

P．

Toreka，Kan．－The monthly meeting of the Shawnee County Horticultural Society was held at the state horticul－ tural ronms，March.

Mamafonect，N．Y．－Christopher J． Schelling will this spring build on his estate a tandsome residence and mod－ ern greenhouse．The plans include an extensive formal garden．

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\section*{P.J. HAUSWIRTH Auditorium xnnex , CHICAGO. \\ Mail, telegraph or telephone orders filled promptly in best style. \\ omaha. \\ IFSO FLORISTS,}

1415 Farnam Street, OMAHA, NEB. 'Phone 1501 and L. 1682.

\section*{SPRINGFIELD.}

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378 Main St., Springfield, Mass.

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\section*{Josenh R. Freeman,} FLORIST,
612 13th St. N.W., WASHINGTON,D. C. st. pauL.

HOLM \& OLSON, ST. PAUL. THE LEADING FLORISTS OF THE N. W. Ordera will be well cared for anywhere in Minoesota and the Dakotas.

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\section*{JOHN MANGEL,}

\section*{FLORIST,}

Corner Wabash Ave. and Monroe S. CHICAGO. Orders for Wedding Decorations, Receptions, Funeral Designs and Cut cowersand phatch.
Leading Chicago Retaller.

\section*{MILLS THE FLORIST,}

36 W. Forsyth Street, JACKSONVILLE, FLA.

\section*{CHASS. CHOWWICK,}
cor. fulton \& lagrave,
Grand Rapids, Mich. WHOLESALE and RETAIL FLORIST.

\section*{High-Grade Cut Blooms.}

Carnations, Roses, 'Mums, Violets, Etc.
Choice American Beauties a Specialty,
Artistic Designs on Short Notice.
Good Shipping Facilities to all Michigan Points.
-A TRIAL ORDER SOLICITED.-
Please mention the A merican Florist when writing.

\section*{JOHIN WOLF,}

Wholesale and Retail Florist, SAVANNAH, GA.
Paper White Narcissus and Roman Hyacinths.
\(\$ 2.00\) per hundred, in any quantity, Long Distance Telephone Connections.

Please mention the American Florist when writing: CALVESTON.

\section*{ 2319 AVENUE M, \\ GALVESTON, TEXAS.}

Cut Flowers, Floral Designs, Decorations. Telephone 1087. All mail, telegraph or telephone orders promptly and artisticall: glled.

\section*{Cut Flowers \\ DAFFODILS, \(\$ 1.00\) per 100. Cash with Order.}

\section*{MISSES WILSON, \\ Mildred St., MONTGOMERY, ALA.}

\section*{THE ART OF}

\section*{Floral.....}

\section*{Arrangement.}

The first special newspaper in the world for floral arrangement.
250 ILLUSTRATIONS ANNUALLY. Specimen number free. Subsciiption, 82.40 yearly. BINDEKUNST-VERLAG, J. Olbertz, ERFURT, GERMANY.

\section*{The Best Customers.}

Am. Florist Co.:-The best customers I have obtained through trade paper advertising have come to me through the columns of the American Florist.

Albert M. Herr.


We carry the most General Florists' supplies in the West. Complete Catalogue liee.

\section*{A Daily Shipment From 40 to 60 Growers sumame cocomone}

ENABLES U8 TO SAY "WE CAN AND WILL FILL YOUR CUT FLOWER WANTS TO ADVANTAGE,"

\author{
Telephone or Telegraph your "Hurry Up" Orders. We will "Get a Move" on them. \\ LONG DISTANCE PHONE MAIN 1129. \\ Store open from \(7 \mathrm{a} . \mathrm{m}\). to \(7 \mathrm{p} . \mathrm{m}\). on week days and \(7 \mathrm{a} . \mathrm{m}\). to 1 p . m . on Sundays.
}

If you are a Regular Buyer of Cut Flowers we ask for a chince to show our ability to furnisb the right kind of stock at agreeable prices, careful packing and prompt shipment. Our consignments of Roses, Carnations, Violets, Bulbous Stock, Etc., were never larger or of better quality.

Tolegraph st our expense tor letest quotations on any Cui Flowar Supplias.

From Cold Storage.
We have a fine lot of Lilium Longiflorum Multiflorum 9-10 inch bulbs.
-Wrile lor Prices.

\section*{EF WINTESSON CO CHICAGO.}

\section*{CURRENT PRICES.}

For Week of March 9 Ih to \(16 \mathrm{lh}, 1905\).
Roses. Per dnzen.
 \begin{tabular}{l} 
2 40 tnches...... 85.00 to \(\$ 6.00\) \\
2400 \\
\hline 0
\end{tabular} 20 inches.. 15 inches.. 12 inches.. short...
Bride, Bridesmaid..
Meteor, Gate.
Roses, Our Selection
Liberty....


Chatenay.
Carnations.
We bandle all leading varieties

\(\begin{array}{r}75 \text { to } 1.00 \\ 4.00 \text { to } 10.00 \\ \hline\end{array}\) 4.00 to 1000
6.00 to 15.00

Good Average.
Fair Stock. for bar, sain sales (Our 1.50 to 2.00
Selection)............. Per 1100
10.00

Miscellaneous: Per 100
```

Violets.

```

Callas.
Harrisii \({ }^{\text {St }}\), Romans
Tulips, Jonquils, Da fiodils......... 1000 to 12.00
Mianonets
1.00 to 1.50

Mignonette.
. 50 to
Decorative stock.
Asparagus Plumosus, per string \(\$ .35\) to \(\$ .50\)
Asparagus Plum. Sprays, per 100.. 200 to \(5 . r 0\)
Asparagus Sprengeri. per 100 ..... 3.00 to
Common Ferns, per 1000.
Green Lcucothe Sprays, per \(100, . \% 5 ;\) Red 1.00
Green Lcucothe Sprays, per 100, . 50 ; Red, 1.00 Adiantum
1.00 to 2.0

Prices quoted herein are subject to change
without natice.

\title{
Wietor Brothers \({ }^{51 \text { Wabash }}\) Avenue, CHICAGO.
}

\section*{WHOLESALE CUT FLOWERS.}
——CURRENT PRICES. SUBJECT TO CHANGE.—


ROSES.
Per 100
Motoor and Gate.
00 to
CARNATIONS-Good stock.............................................. . . . . . . . . . . . . . . . .
Large and fancy............................... \(\quad 3.00\)

Our reputation has always been that we fill orders when others lall. All stock in season at Lowest Markel Rales.

\section*{THE HORTICULTURAL} TRADE JOURNAL.

The largest, brightest, and best advertis
ing medium for the Harticultural Trade in Great Britain, published weekly. Also
THE INTERNATIONAL HORTICULTURAL TRADE JOURNAL.

Published quarterly. Both mailed post free for one year for One Dol.ar.
the horticultural iprinting company, burnley, encland.

Instructive Reading.
American Florist Co.:-Enclosed please find money order for \(\$ 1\) for the renewal of the American Florist for 1905. We are well pleased with the paper and find a lot of instructive reading in it.

Frache Brothers.

\section*{Forcing Stock for Easter.}

AZALEA MOLLIS full of huds, nice even
heads, force easily, \(12-15 \mathrm{in}\). high, \(\$ 3000\) per 100; \(15-181 \mathrm{n}\). high. \(\$ 40.00\) per 100 .
DEUTZIA GRACILIS. grown especially for pot culture; very bushy: \(12 \cdot 15\) in. high, for 6 -in. pots, \(\$ 300\) per \(100 ; 15-18 \mathrm{in}\). high, for DEUTZIA LEMOINEI Similar but stronger grower, 15-18 in to Gracilis,

\section*{The Seed Trade．}

\section*{AMERICAN SEED TRADE ASSOCIATION．}

Chas．N．Page，Dus Moiues，Ia．，Pres．；L
C．May，St，Pand，Minn．First Vice－Pres． I．kendel，cleveland，o．，secy and Treas andria Bay，N．Y．，June 20－22， 1905.

SWEET Corv is among the least active itums on the list．
Dealers report a slight advance in onion sets this weok．
So far business appears to be ahead of last year at this date．

Para Rubeer seed delivered at Sin－ gapore，is worth \(\$ 5\) per 1,000 in boxes of 50,000 ．

Daytox，O．－Bankruptey proeeedings were instituter against the Carney Seed Company February is．It is alleged the firm allowed its notes to go to protest． The creditors say the firm owes \(\$ 12,000\) and has \(\$ 10,000\) in assets．

Some of the most experienced seeds－ men do not favor the ruethods of seed packing recommended by Curator William Watson，of the Royal Botanic Garden，Ken，Eng．，whose directions have beeu widely quoted in this coun－ try．

Washington，D．C．－The Brown Bag Filling Machine Company was granted an injunction against the machines operated in the Department of Agri－ culture in the eongressional seed dis－ tribution by James L．Drohen，March 2，claiming infringement of patents．

\section*{Profit in Onions．}

The salesmen at Covent Garden do not renember onions ever previously reaching eighteen shillings a case， which was the high－water mark during the period of greatest scarcity recently． A week ago Spanish onions were realiz－ ing nearly three times as much as in the corresponding week of 1904．The dearth of English，French，and Nether－ lands onions is ascribed to the oxtremely dry season last year，aceord－ ing to an English journal．

\section*{French Bulb and Seed Crops．}

Felmary 20．－The cold weather of arly Jannary nipped the foliage of the Fmman hyacinths，but it is expeeted that it has hard no effect on the crop of the bulls．Speaking of the Romans， the members of the Syndicate de lufense held a meeting a fow days ago， lut as it is still early anll the crop is yrt uncurain，nothing was deciner tramspired that last year＇s campaign proved to be unsatisfaetory and that the syndicate is more willing to come to an understanding with the commisssion lealers．As already stated，last fall was very iry in the growing districts；the

3，700 aCRES OF GARDEN SEEDS in cultivation．
Braslan Seed Growers Co，
Wholesale Seed Growers．
drought is continuing and the chances for a good crop will depend upon the weather the growers experience during the next two months．
To what exteut the severe cold has been detrimental to the seed crops is diffieult to say at this early date．It is only at the end of March or early in April，at planting time，that the amount of the damage，if any，can be ascertained．The question，however remains open whether a short crop of vegetable seeds，enabling the dealers to get rid of the surplus stocks of the last few years，would not be preferable to a large crop．
One article of which a good crop of seed is desired is the garden beet．On account of last year＇s dry weather many beet fields could be sown only very late and the plants were not as strong as nsual when winter set in． How the routs have behaved will only be found out later on．

The jobling seed trade has been as gool as may hare heen expected，every－ thing consilerell，but competition was keen，prices were low and profits small． With the mild weather we have enjoyed during the greatest part of January and February，the retait seed trade started iu hriskly and was ahead of last year at same date．Whether it will continne so will depend upon the weather we shall have from now until the early part of April．Pirisian．

\section*{Newport，R．I．}

Gcorge A．Weaver，of the George A． Weaver Company，has returned from Hot Springs，Ark．，where he has been for the past six weeks for the benefit of his health．Mrs．Weaver accom－ panied him．
John Robert Clarke has severed his connection as sealsman for the George A．Weaver Company，returning to Bos－ ton．

\section*{Even North Dakota Kicks．}

Nelson County Observer：Every year the seuatr fills several pages of the Congressional Record with sarcastic remarks about the national garden seed graft，but it is noticed that in the end the regular ajpropriation tor the free seed faree is fortheoming．

Western Seed Advertising．
Delegate Wilson has sent the Blarle a sack of seed for free distribution among the famers of the valley．They consist of the following：Early Minne－ sot：swent corn，Rorky Ford muskmel－ Lon，Early Searlet turnip radish，Purple Top sfray leaf turnip，hack seeded simpson lettuce．Call at the Blade office－Florence（Arizona）Blade．

\section*{Providence，R．I．}

Carnation values have dropped quite a little the past week，few flowers bringing over two cents，with an aver－ age of \(\$ 1.50\) per 100 for ordinary vari－ eties．Lawson most of all has met with a small demand，as it is hard to use in design work，although the qual． ity las been of the highest this season． Roses keep eoming along in regular quautities and no shortage reported；in fact this winter has been very regular in supply and demand．Violets still continue something fine and fair prices， Princess bringing 50 cents per 100 wholesale on an average．Smilas and asparagus are somewhat short locally． Bulbous stock is in regular supply． Business is satisfactory．

M．M．

\section*{Shamrock Seed，}
xo duty on the green emblem．
Shamrock is free and Ireland is safe．An attempt on the part of Philadelphia has． through its customs officers，struck a blow at liberty and has been thwarted．Board No．\({ }^{3}\) of the appraisers \({ }^{\text {a }}\) stores struck the blow which defined
plant for all ting
There dwells in Phitadelphia a collector of revenue who is out of sympathy with March 17 or he never would have done it． ＇Thirty per cent ad valorem，＂said he，＂on shamrock seed．
Then it was suggested to him the seed should come in as free as grass，on which no duty is charged at all．
＂If there is anything which should be restricted in Philadelphia，＂said be，＂that same should be grass．It is forever growing up in the streets overnight；bad luck to it．＂ William K．Harris，an importer，made a protest．Judge Byron S．Waite，on behalf of the hoard of general appraisers，to whom the matter was referred，delivered an opin－ ion，in which he declared it contrary to the spirit of American institutions to interdict or restrict，in any way．the wearing of the green．－Cbicago Tribuve．

\section*{Now is Time to Sow}

The New Hybridized Giant－Flowered OBCONICA PRIMROSES

CARMINE，PURPLE，VIOLET．Per 1000 seeds， \＄1．00；trade packet， 50 c ．

\section*{Compacta．}

A ine potter，per 1000 seeds \(\$ 1.50\) ；tr．pkt．，50c． Buttercup Primrose Grandiflora．

Per 1060 seeds， 81.00 ；1r．pkt．， 50 c ．
The above offered Strain，is unquestionably the Best．Guaranteed true，and new crop．

Please mention the A merican Florist when wrating．

\section*{SUMMER FLOWERING BULBS． \\ CALADIUM ESCULENTUM． \\ GLADIOLUS．}
\begin{tabular}{|c|c|}
\hline & P＇estloz． 100 \\
\hline  & ．．．＊．40 积．50 \\
\hline 7！い！－ & ． 60 4．00 \\
\hline （1）\({ }^{\text {（1）}}\) & ．95 7.00 \\
\hline  & 1.7514 .00 \\
\hline
\end{tabular}

\section*{TUBEROSES．}

\section*{1）warl Pearl，first－chass，strong bulls，per 100 ，}

1）warl pearl，meclium size，per 100，60ッ ；per 1000.
． 4.50
Armstron\＆＂s Everbloomink，fine for cut thow

All strietly first size lualbs．Per \(100 \quad 1000\) Außusta．pure white，blue anthers．．．．\(\$ 3.00 \$ 26.00\) Brenchleyensis，intense swarlet．．．．． 1.35 11．50 Ceres，pure whitesmotted purphish rane \(1.25 \quad 10.50\) Mme．Moneret，delicate ruse cilor．．．． \(1.50 \quad 12.50\) May，pure white，filked rosy erimson．． \(1.50 \quad 12.50\)

\section*{Vaughan＇s XXX Florist Mixture．}

This mixture is made up from named white and light varieties and mistures of light colors

\section*{Seed Bags FOR THE TRADE}

We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.
——THE——
Brown Bag Filling Machine Co. FITCHBURG, MASS.

\section*{Please mention the American Fior ist when weriting}

\section*{FertilityGerms}

Some soil raises better crops than others because it contains more nitrogen.
Fertllity germs draw nitrogen from the sir -deposit it in the soil-make the land richinsure immense crops.

\section*{NITRO-CULTURE}
contains these germs. Sprinkle on seeds before planting. Germs increase-enrich the soil, make nitrogenous fertilizers unneces sary. \(\$ 2.00\) worth increases \(y\) ield per acr enormonsly. Write for catalogue. 6 P NATIONAL NITRO-CULTURE CO., West Chester, Pa

Please mention the A merican Flor ist when aviting.
1904 NEW CROP
Asparagus Seed


Sprongeri...................................... . \(15 \quad 1.00\)
We are beadquarters for all the best flower seeds; 100 page catalogue free.
Moore \& Simon, Saod 207 Markot St., PHILADELPHIA, PA.

\section*{Alfred J. Brown Seed Cor}

\section*{-Growers of}

GARDEN PEAS and BEANS
For the Wholesale Trade.
Grand Rapids, - Mich.
SEED GROWERS
Flold, Swoet and Pop Corn, Cuoumber Molon and Squash Seed.
Write us before placing contracts. We bave superior stock seed and can furnish you good seed at reasonable prices. Address
A. A. BERRY SEED COMPANY, CLARINDA, IOWA.
Please mention the Anerican Flon ist when writing

\section*{BURPEE'S SEEDS}

Philadelphia.
Wholesale Price List for Florists and Market Gardeners.

\section*{Asparagus Plumosus Nanus Seeds}

\footnotetext{
Onf own growing, just ripening on selected
} plants, 100 seeds, \(50 \mathrm{c} ; 500\) seeds, \(82 ; 1000\) seeds, 44.
B. H. Haverland, Pleasant Run, O.

\section*{BERMUDA Harrisii Bulbs THE "SEMPER IDEI" BRAND. \\ I am now booking orders for July and August delivery. Prices on Application. \(* * *\) \\ CHAS. A. V. FRITH, HAMILTON, BERMUDA.}
\begin{tabular}{|c|}
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
 \\
QUEDLINBURG, (Germany.) \\
Mangel Wurzel and Sugar Bect Seeds \\
A SPECIALTY. \\
We offer an immense stock of all seeds at mocerate prices, \\
to the trade only. General Catalogues free on application. \\
English Correspondence. \\
SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND. \\
——eiogram Addrese: SAMENEXPORT, Quedlinburg.-
\end{tabular}} \\
\hline \\
\hline
\end{tabular}

\section*{Van Zanten Brothers,}

ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE

\section*{HILLEGOM, HOLLAND.}

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CROCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

> MR. G. HYLKEMA,

Care of Messrs. Mallus \& Ware, 136 Water Sl., New York.
Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.


\section*{Peacock's Dahlias.}

Send for beautifully illustrated descriptive catalogue and trade list for 1905, Now Ready.
L. K. PEACOCK, Inc.,

Atco, N. J.

\section*{The Nursery Trade}
american association of nurserymen.
E. W. Kirkpatricb, McKinoey, Tex., Pres. Gearge C. Seager, Rochester, N. Y., Sec'y, Thirtieth annual convention, West Badeo Spriags, Ind., Jude, 1905.

Austir, Tex.-The governor of this state proclained February 22, arbor day, as a legal holiday and called attention to the vast good that can be done by its proper observance in the planting of trees.

New Iors.-The contract for furgishing trees and shrubs to the Department of Parks was last week awarded to Frederick W. Kelsey. Four bids were receired, of which Mr. Kelsey's was the most farorable. The contract is for a general assortment of trees, conifers and hardy shrubs, to be delivered during the planting season of 1905. The amount of security required was \(\$ 3,000\).

Newfort, R. I.-Many large contracts are in the process of being placed, not only with our local nurserymen but with many of the representative houses in New York and Pennsylvania. Every large nurseryman who has been here so far this season has reported orders far in advance of any previous season for some years. More than ever is large stock especially in demand; and with many nurserymen, orders for bardy roses of the first qual. ity have been refused.

Flushing, N. I.-The partnership of Keene \& Foulk, nurserymen, has been dissolved. A new company has been organized by Mr. Keene, to be known as the Bloodgood Nurseries, Incorporated, with a capital stock of \(\$ 50,000\), which will continue the business carried on for many years by the dissolving firm. A new site will be obtained for the nurseries, the present site having passed into the hands of a New York gyndicate some time ago, although under the terms of sale occupation can be continued until Junc of next year.

\section*{Nursery Notes.}

The following four varieties of double lilacs have proved the best and most distinct of a large collection: Mme. Abel Chatenay, white; Belle de Nancy, rosy purple; 'President Grevy, hlue, and a real sky blue; and La Tour d'Auvergne, reddish purple.

To be most successful growing the fowering eral, apples, use paradise stock. The demand exceeds the supply of these beautiful things.

Mabonia aquifolium, with bright yellow flowers, fine clusters of showy fruit, and handsome holly-like foliage, is a very striking plant.
M.

To Kill Roots and Tree Stumps. Ed. American Flohist:-

What can I use to destrny the stumps anl ronts of trees cut off near the ground so that they will not grow? S . The writer does not state if that refers to a fow around or near a building, or on a large scale in a stump lot. Howerer, J would say, if only a few in
a yard or near buildings, the most practical way would be to dig them out. If on a large scale in open field not near building, get a man that knows his business and blow them out with dynamite.
II.

\section*{"Successful Fruit Culture.'}

Samuel T. Maynard, formerly professor of horticulture at the Massachusetts Agricultural College, has supplied quite a handy and seasonable guide to fruit growers in this little volume. It is a practical story and the book is freely illustrated. Each of the leading fruits is given separate attention and there are chapters devoted to "Some Tropical Fruits," "Propagation of Fruit Trees and Plants,' '"Fruits Under Glass," and "Insect Pests and Fungous Diseases." We can send you a cloth-bound copy on receipt of \(\$ 1\).

\section*{Boston.}

SPRING SLUMP IS ON.
The usual spring slump has set in and the prices have fallen off to a marked degree during the past week. The cause of this is the warmer weather, Which has advanced the stock much faster than it can be disposed of. Violets felt the reaction the most and the price obtainable would scarcely pay a person to pick them, but 15 to 20 cents per 100 was obtainable, and even at retail no more than 35 cents per 100 could be obtained. Carnations were also away off, good Enchantress bringing only \(\$ 2.50\) per 100 . The other varieties of carnations were also down propertionally. Bulbous stock about held its own, that is, the colored varieties, in particular yellow. The white kinds, including tulips, could scarcely be given away. Roses are scarce, but as the demand is very small, there has also been a drop in prices. The prospects are for a continued low market for the next few weeks up to the Easter trade. NEWS OF THE TRADE.
John Walsh, manager of the Boston Co-operative Flower Growers' Association, has been seriously ill the past week, suffering from an attack of lumbago.

The trade is looking forward with great expectation to the annual spring exhibition of the Massachusetts Horticultural Society. Additional interest is taken this year from the fact that the American Rose Society will hold its annual meeting and exhibition in connection with the borticultural society's show.
H. P. S.

Bellows Falls, Vt.-The Green Mountain Conservatory was opened March 1 in the Times block by a Worcester, Mass., firm of florists.

Kirkstille, Mo.-Mrs. B. F. Eades is now about again and pushing business. This winter has been the coldest she ever experienced here.

\section*{Denver.}

The weather has moderated considerably, and steck is now very plentiful. Where there were not enough roses, carnations, etc., on the market last week, everybody now has a surplus. Business is fair with all stocks, roses, carmations and bulbs at their very best.

The Mauff greenhouse, at 1225 Logan avenue, had on exhibition the past week some fine specimens of the Alice Roosevelt 10 se, with very long stem and elegant color.

The Porter Floral Company, at Boulder, has foiled, and has gone back into the hands of the Cannon Floral Company. Mr. Porter is now out of the floral business entirely.
B.

\section*{Manchester, Mass.}

The annual banquet of the North Shore Horticultural Society was held February 24. An interesting address was made by State Forester Alfred Akerman, of Boston, on "Forests." On the evening of March 3, K. Finlayson, of Jamaica Plains, delivered an address before the society on 'Greenhouse Management.'

\section*{MAGNOLIA GRANDIFLORA}

5 to 6-ipch high. Per 100
\(\qquad\)
\(00^{2} 10 . .\).
All strong pot-grown pladts.
ROWNE, Nashville, Tenn. Lischy Nursery and Greenhouses.


In Shrubs and Roses.
400,000 Roses, 2 -inch pots.
Hydrangea P. G., 3 to 4 feet........... \(\$ 900\) per 100 2 to 3 feet. 500,000 Privet. prices on application.
Clematis Pan., 2 years.................. 6.00 per 100
50000 Field-grown Phlox.
30,000 Roses, 4 -inch pots.
The EIIZABETH NUBSERY CO.
Elizabeth, N. J.
Please mention the A merican Florist when writing.

\section*{Tottenham Nurseries, tro. \\ Established 1872.}
A. M. C. VAN DER ELST, Managiog Director.

Dedemsvaart,
(Holland.)
Headquarters for Hardy Perenoials (among
which are the latest and choicest) 13 acres Which are the latest and choicest) 13 acres devoted lor growing this line as Aoemone, Aster, Campanula, Delphinium, Funkia Hemerocallis,
Hepatica, Iacarvillea, lris, Peonies, Phlox decus Hepatica, Incarvillea, lris, Peonies, Phlox decus-
sata, and sufruticosa, Primula, Pyrethrum, sata, and sufruticosa, Primula, Pyrethrum,
Tritoma, Hardy Heath, Hardy Ferns. Also 5 Tritoma, Hardy Heath, Hardy Ferns. Also
acres Daftodils, 12 acres Conifers, (specially acres Daffodils, 12 acres \(y\) oung choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

\title{
Aud Photert English Manetti Stocks
}

For Florist Rose Graiting.
Grown by MESSRS. JOHN PALMER \& SONS, Annan (Scotland).


Ageve Applensta Pstryi, 10 c to 83.00 .
Cactus Rainbow, 10 c to 50 c
Cereus Gigsoteus, to 2 ft .50 c to \(\$ 1.00\)
4 ft., \(6 \mathrm{ft} ., 8 \mathrm{It}\). : \(\$ 300, \$ 6.00 ; \$ 10.00\).
Cereus Graggii, \(\$ 1.50\) to \(\$ 3.00\).
Uasylirion Wheelerl, s besutiful decorstive plant; sn evergreen; grayish-green flowers, hsidr, height to 6 feet. 25c to \(\$ 5 . C 0\).
Echloocsctus Polycephslus, varistion from Grand Csnyon, scsice, single, in clumps, 8100 to 85.00 . Echinocsctus Cylindisceus. 5 to \(12-i 0 ., 25 \mathrm{e}\). 3 to \(4 \mathrm{ft}, 5\) to \(7 \mathrm{ft}, ; \$ 2.50\) to \(\$ 3.00,85.00\) to 88,00, Echinocectus Emoryi, 5 to \(12-\mathrm{in} ., 3\) to 4 ft.; \(25 \mathrm{c}, \$ 3.00\) Echinocsctns Leicondei, \(6-\mathrm{in}\). to 3 ft. : 25 c to 8310 Echinocsctus Phoeniceus, hardy, clamps, 200 plants, Ic per plant. Echinocereus Engelmanul
Echinocereus engelmannli, single 5c; lo clumpa, 250 per ciump.
Echinocerens Fendlerl, hardy, be autifal bloom, 25 c Echinocerens Wislizeni, 5 to \(12-10 ., 25 \mathrm{c}\) to 50 c . 1 to \(2 \mathrm{ft}, 50 \mathrm{c}\) to 250 .
Msmillaris Grahsmid, slagle: clumps, \(5 c\).
Asmilleris Radioss Arizonics, hsidy, clumps, ic per plent.
Opuntis, 25 or more kinds, msny hardy, 5c and upwside. Yucca Radioss, hardy, 25 e to \(\$ 3.00\) Crates sud packing materis exirs st cost price. Plents delivered st point of shipment. \(10 \%\) discount for orders by the dozen. \(20 \%\) discount for orders by the three dozen.
GEORGE M. J. HOCHDERFFER, FlagataH, Arlzona. Callectors ol Plents sind Seeds.

\section*{TREES \\ Fruit Trees, Fmall Frolta, Origanental Trees,} Evergreens and bbrabs, Ghade i'rees, Hardy
Hoses, llardy Plants. Climbers, etc. The Hoses, Hardy Plants. Climbers, ete. Th
most complete collections in this country. Gold Mledal-Paris-Pao-AmericanSt. Louis. 102 prizes New York State Fair, 1904.
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FREE On Request
ELLWAMGER \& BARRY
Mt. Hope Nurserles, Rocheater, N. Y.

\author{
Establinhed 65 Years.
}

\section*{Silver Ribbon Girass}

The new hardy perennial. The finest ornamental grass to be had-perfectly hardy can be used indoors and out, grows rapidly a ad does not turagreen
or run to seed. Strong fieldor roots 15 c each by mail, postpaid. roots,
\(\$ 1.25\) per dozen; \(\$ 8.00\) per 100 by ex. press, eharges not prepaid. Can fill orders at any time. Terms cash with orders.
James Vick's Sons, ROCHESTER, N. Y.

\section*{W. van Kleef \& Sons,}

Wholesale Growers of all kinds NURSERY STOCK. BOSKOOP, HOLLAND,
Catslogue free on demsind. No Agents. Plesss aspact our nurseries when in Europe. Noageots.

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An illustrated Maqual contalning suggestlons on Lswn Msking, Plsating sod care of Shrubs sud Trees, with names a ad descriptioos of varisliss hsrdy snd of merit. Alsoinformstion regsira etc. A book you will orten refer to. Send for it to-dsy. Free on application.
Pelerson Nursery, 503 W. Pelsran Ave., Chicago.
Califormia Privet 1,2 and 3 years. Also Cut-
will he accepted on lots of 5,000 to carlosds RIVER VIEW NURSERIES,
J, H, O'HAGAN. LITTLE SILVEK, N.J

\section*{ORDER \\ Now \\ \\ HaROOSHRILSS,RAMBBEERS \\ \\ HaROOSHRILSS,RAMBBEERS and HYBRID ROSES \(\underset{\text { FOR }}{ }\) SPRING SALES} and HYBRID ROSES \(\underset{\text { FOR }}{ }\) SPRING SALES}

\section*{Each Doz. 100}
\(\begin{array}{ccc}\text { GRUSS an TEPLITZ, strong, } & \text { Doz. } 100 \\ \text { yesr old................................ } 8.00\end{array}\) grown for f-ioch yots
\(\begin{array}{lllll}\text { DEUTZIA LEMOINEI, pot- } & 30 & 3.50 & 25.00\end{array}\)
AZALEA MOLLIS, mired \(40 \quad 4.00 \quad 30.00\)
kinds, 20 buds
\(40 \quad 4.00 \quad 30.00\)
RHODODENDRONS, for
forcing, busby plants, 8 to 00 it
For forcing, large plazi................ 11.00
15 to 25 buds.................. 2.00 20.00 100
HYDRANGEAS, Otaksa, Red
Branched, Thos. Hogg Dormeat, 50035.00 CRIMSON RAMBLERS, stroag.
2-year old............................. \(2.00 \quad 15.00\)
Strong, 3-yesr ald.i............... 25018.00
year old................................ \(2.50 \quad 20.00\)
VAUGHAN'S SEED STORE, Chicago.
Greenhouses and Nurseries, Western Springs, III.
We
 RHODODENDRON MAXIMUM

A od other Broad-Lesved EVERGREENS by the csi load or 10 smaller quantities.
Ornemental TREES, SHRUBS and ROSES In great varlety. HERBA. CEOUS PERENNIALS by the thoueand.
See our Special Herbaceous Catalogue and Wholesale Trade
List. Send for them now.
BAY STATE NURSERIES, North Abington, Mass
 Company For 1 Trees, Shrubs, Vines Your \(\{\) and Small Fruits. Deacriptive Ilastrated Catslogro Froa THE WM. H. MOON OO. Mortisvillo, Pa.

\section*{CALIFORMIA PRIVET CHEAP}

100,000 well grown plsints, 3 to 4 feet, selected, \(\$ 4.00\) per \(100, \$ 3.00\) per \(1000.21 / 8\) to \(31 / 2\) feet, \(\hat{7}\) or \(30 \mathrm{io} ., 5\) or mes, 82.50 per 100: 817.50 per 1000, 20 to 1000. 18 to more branches, 22.00 per more branches \$1 50 per 100,8700 per 1000 . All of the sbove boxed, f. o. h. here. For cur or large lots write berore placiag your orders.

CHAS. BLACK, HIghtstown, N. J.

\section*{Jacs Smits, Ltd, Maforen.}

Wholesale Growers of Hardy Fancy, nuraery stock, pot-grown forciag plants. Lilacs a apecislty. Berlia and Hamburg Valley-the beat quality. Catalogue tree on demand
When in Europe please inspect our nurseries. MAMDER-BUssUM, baar Amstordan, to our h. . Dopet. Please mention the A merican Florist when wriling.

\section*{Munson Nurseries.}

New catslogue now ready. "Can't buy treas T. V. MUNSON \& SON, Denison, Tox. Tho MUNSON GREENHOUSES. Cut flowera sod Beddiog Plants for retail trade.

WILL B. MUNSON, Denisoa, Tex

\section*{Our Pastimes}

Announcements of coming coatests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this columa.
Adaress all correspondence for this departmeat to J. H. Pepper, 429 Sisth Ave., New York; Roht. Kift, i7es Chestant St., Philadelphia; or to the American Florist Co., Chicago.

\section*{At New York}

The match between the New Iork Florists' Club and the Hoboken florists Saturday evening, March 4, resulted iu a draw, '2,530 pins scoring for each side after three games. Philip Kessler, for the New Yorkers, made top score, 203

\section*{At Chicago}

The larlies took an important part in the bowling match of the Florists Club enthusiasts on Bensinger's alleys Tuesday evening, March 7. The fol lowing scores speak well of their ability, Mrs. I. d. Hanswirth doing especially well.

\section*{Player.}

Ladies
Mrs. Asmus
Mrs. W. Kreitling
Mrs. P. J. Hauswirth Mrs. Cochran

\section*{At Hartford, Comn}

Tuesday evening, Felruary ns, the bowling teams of the New Haven Horticultural Society and the Hartford Florists' Clnb crossed lances at Han sult's alleys, Hartford. The New Haven boys took two ont of three, but the rolling was close. The scares follow:

3056 Lotals \(\begin{array}{lllll}\text { New Haren } & 1129 & 955 & 1063 & 3177\end{array}\)

\section*{At Painesville, 0}

The good work of the two Storrs \(\mathcal{\&}\) Harrison Company's teams continues. A series of two tournaments just com pleted, gives victory in both instances to the retailers, as follows:

Player.
Advey
Delano
Lyacb
Emsley
Total
RETAILEAS.

Totals ....................................
Playel'.

\section*{Pla
Pool \\ Poortlett \\ Hartlett \\ Weich}

Shumaker
Totals
Player
Advey
Kalley
Lalley
Emsley
Murphy

Totals
THHOLESALERS
Player
Pool
Hallman
Welch
Shumahea

\section*{Totals} \(\begin{array}{ll}1 \text { st } & 2 \mathrm{~d} \\ 134 & 144 \\ 145 & 134 \\ 131 & 139 \\ 170 & 153 \\ 166 & 140\end{array}\) 3d 157 \begin{tabular}{l}
144 \\
154 \\
\hline
\end{tabular} \(6 \quad 140 \quad 156\)
\(746710 \quad 763\) \(\begin{array}{lll}1 s t & 2 d & \\ 125 & 128 & 1 \\ 144 & 158 & 1 \\ 162 & 139 & 1 \\ 118 & 204 & 1 \\ 151 & 148 & 1\end{array}\) \(15143 \quad 137\)
\(700 \quad 71274\) 1st \(2 \mathrm{~d} \quad 3 \mathrm{~d}\) \(\begin{array}{lll}140 & 155 & 195 \\ 166 & 143 & 132\end{array}\) \(\begin{array}{lll}166 & 143 & 132 \\ 145 & 130 & 114\end{array}\) 153145155 148144174

New London, Conn.-The Gardeners and Florists' Club which disbanded several months ago has been succeeded by a new organization, the Eastern Connecticut Horticultural Society. The society numbers already over 100 members, many of whom reside in Groton, Conn.

\section*{On the Way}
(Copyright 1905 by Tribune Company.) Thought 1 heard a whisper in the willows by the creek
Wben a laugbing wind came by and Surely then tbe willow twigs began to nod and sigh
When the wind weat romping on, a-laughlag back, "Good-by.
O. the wind was warm and glad and Wonder if it might have beeu a messenger from spring.
Thought 1 heard a chuckle from the water Underneath the sheathing ice it long has Still, 1 heard a chuckle from the water sleeping there,
Wrea the wiad came back again and rumpled up my hair.
Wben the wind came back again and er if it meant to say that spring is coming now?

Thougbt I heard a murmur from the Where the suow has hid the grass and where it hides it still
But I heard a murmur like the shadow of a song
When the wind came back agaio and tarried overlong
Surely it was something like a murmur that Wonder if it isu't that the spring is sending word?

Thought I heard a drumming very faint and Like an army marching up the highway of the day, And the wind came back with melodies that seemed to float
Like the echoed sweetness of a herald's trumpet note
Something seemed to whisper of the blosWond som and the birdI beard? - Cbica

Sherman, Tex.-The weather was still very cold up to February 15. On Tebruary 12 the thermometer registered \(4^{\circ}\) below zero; the same cold weather as we had six years ago.

\section*{Seasonable Seeds for Florists' Use.} VAUGHAN'S ASTERS.
"THE CARLSON." The Early Late Variety.
White, Rose Pink, Lavender, Marquis-Pink, Violet-Blue, Daybreak Piukand Mised. Ereh, trade pti., 20e; any 3 for 50 c ; or per 5 oz. 30 s ; oz. 81.00 .
Branchlod ar Semple. Best Late Tariety.


\section*{NEW EVER-BLOOMING ASTER "IDEAL."}

\section*{Best Early Vartety.}

This new Aster produces, perhaps, more salable cut flowers to a plant than any other kind. The plants grow from 16 to 18 inches bigh and are iu bloom from the beginning of Angust to the end of September almost uninterruptedly. In shape the flowers resemble the Victoria type, except that the petals are looser so as to give the flowers a very gracefnl appearance White, light blue, dark hlue, crimsou; each, trade plt., 15c; 活 O2., 30c; oz., 81.00 -

\section*{THE NEW CACTUS ASTER PATRICK HENRY.}

This is one of the best white Asters to cut. The plants grow abont 16 Incheshigh: the flowers are pure white, measure about \(41 /{ }^{1}\) incbes across and are double to the center. The petals are twisted or rather rolled like
 with the Giamt Comet Asters. Pkt., 25c: 1/20\%, \(\$ 1.00\).
COBAEA SCANDENS, Trude pkt., \(10 \mathrm{c} ; \mathrm{Oz}_{\mathrm{g}}, 40 \mathrm{c} ; 1 \mathrm{~b}, \mathrm{q} 4.00\).
10 PER CENT SPECIAL CASH DISCOUNT. On orders over \(\$ 2.00\) for Flower Seeds if the cash is enclosed. This disconnt
does not apply to Asparagus Seed. Cash discount on this two per cent

\title{
VAUGHAN'S
}
Carnations

WHITE.
Per 100 Per 1000
\(\qquad\) Boston Market.................... 50 . 50.00
The Belle.... \(2.50 \quad 20.00\)

Flora Hill \(5.00 \quad 45.00\)

Qeru........................................................ 1.00 9.00

SCARLET.
Per 100 Per 1000 Riohmond Gem. ..................... \(\$ 10.00\) \$75 00 Crusader. . . . . . . . . . . . . . . . . . . . . . . . 5.00 45.00 2.5020 .00 PINK. Per 100 Per 1000 1ndis............................. 810.00 \(\$ 120.00\)

PINK.
Per 100 Per 1000 Vison.................................... \(\$ 1.50\) Per \(\$ 11.50\) Enchantres Mornon. . Jorning Glory
Tigin
Giginbotham..

\section*{ROOTEED}

CITTTINGE.
Per 100 Per 1000

\section*{ROSES}

\section*{RO}

Per 100 Per 1000 \(\begin{array}{ll}\text { Richmand...................... } 830.00 & 8250.00 \\ 200.00\end{array}\)
Chatenay............................ . . . \(4.00 \quad 30.00\)
Suarise................................. . . . \(4.00 \quad 30.00\)
Perle von Godesberg.............. \(5.00 \quad 40.00\)

All plants and rooled cuttings sold under the express condin........
PETER REINBERG, 51 Wabash Ave., CHICAGO.

The King of All Scarlet Carnations

\section*{ROBERT CRAIG (ward)}

WIII NoI Be Disseminated THI 1906. First Dalivary Commancing Daoembar 1, 1905 .
THE IDEAL CHRISTMAS CARNATION.

\section*{A Genuine Non-Bursting Scarlet Lawson.} JUST THE COLOR OF THE MOLLY BERRY.

Sand your orders now, with privilege to cancel same at any time prior to December 1, 1905, if on inspention variety does not prove satisfactory, PRICES: \(\$ 2.50\) per doz. \(\$ 12\) par 100: \(\$ 100\) per 1000; 2,500 lols a! \(\$ 95\) per 1000; 5,000 lots al \(\$ 90\) per 1000; 10,000 lots or more al \(\$ 80\) per 1000.
c. w. ward. COTTAGE GARDENS CO. Inc., Queens, N. Y.

\section*{Has Been Awarded The Following Honors:}

PRELIMINARY CERTIFICATE.
American Carnation Society, 92 points SPECIAL DIPLOMA.

American Institute of New York FIRST-CLASS CERTIFICATE OF MERIT. Massachusetts Horticultural Society. FIRST-CLASS CERTIFICATE OF MERIT. Pennsylvania Horticultural Soclety. FIRST-CLASS CERTIFICATE OF MERIT. CRAIC CUP Ior best undisseminated seedling hilsdelphia
C. HARTMAN KUHN SPECIAL PRIZE
for best undisseminated seediing. Phifadelphia. FIRST PRIZE besl 100 scarlel.
FIRST PRIZE best 50 scarlel seedling. Chicsgo.

NEW CARNATION William Penn

A very pleasing salable shade of pink. Thape grown it for fore years and it gave me more good safable flowers than any other variety up-to-date.
Should be planted by every grower of cut. lowers if he wants a continuous cut af fowers the whole season. Every shoot a fower. 1 will mail 25 well-rooted cuttings free of charge for \(\$ 250 ; \$ 10\) per 100, \(\$ 75\) per 1000.250 for \(818.75 .10,000\) outtings now ready. All orders flled promptiy
FRANK L. KOHR, Lancaster, Pa.

\title{
My Maryland
}

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.
Awarded first-class Certiflcate of Merit by the American Carnation Society. Lawson Bronze Medal for 100 blonms and S. A. F. Bronze Medal for 50 blooms. We predict that this variety will
easily displace any other white
1900. Price \(\$ 250\) pers now for delivery January \({ }_{8100.00}^{1906}\) Price, \(\$ 2.50\) per dozen; 812.00 per 100; standard varieties.
H. WEBER \& SONS, Oakland, Md,

\section*{THE NEW ROSE}
Wellesley

5 a Welcome Addition to the list of FORCING ROSES.
Color bright pink, with reverse petals clear silvery pink, thus producing a combination that is exceedingly effective either in daylight or in artificial light.
Growth is very free and exceptionally vigorous and will prove satisfactory every month in the year. Delivery strictly in rotation, beginning April 1.

WABAN ROSE CONSERVATORIES, NA'MCK, MLASS.
JOHN N. MAY, - . - Summit, N. J.

Lowell, Mass.
Business during the past few weeks has been rery active, with plenty of funcral oriers. Then again the social element has made brisk demands for stock. The supply of cut flowers is on the increase daily. Bulbous stock, both cut and in pans, seems to be a drug. At present we are having good violet weather and this line is moving very well. John Gale is bringing in violets of grand quality and the supply is unlimited.

Owing to such an extremely cald winter, some of the growers are shy on coal and some of them are experimentang with coke and fine coal. Some of the old timers say they cannot recall a more severe winter.
M. A. Patten \& Company, of Tewks. bury, have a fine carnation in their new variety, Mikado; it is a mottled bloom, and ought to please the most exacting.

Dudley Hartford, of Bedford, tho reteran dealer in green goods, was in town last Wednesday, the first time for several weeks. He bas been ill with the grip.
Harvey B. Green had charge of the decorations at the board of trade banquet. Gen. Nelson A. Miles was the invited guest.
Otta F. Bourdy has been shipping some of his stock to New York city. His Fair Maid carnations are of splendid quality.
Patten, the Florist, has secured the services of Gea. Fisher, formerly of Worcester, but lately of Boston.

On March 11 Mellor \& Saunders will open an up-to-date flower store at 30 Prescott street
E. N. Peirce \& Sons, of Waltham, are shipping some fine azaleas and lilies to town.
A. M.

\section*{Louisville.}

Business last week was very good, there being a gaod deal more doing than the week before. The weather fas been pleasant, and those doing pruning, etc., hare quite a lot on hand. The sale of seed bas also started, especially so of sweet peas and grass, and the outlook is rery promising. Roses are of fair quality, but the supply is rather short, although there will be a large crop soon on. The demand has been very satisfactory. Carnations can now be had in quantities about equal to the demand. The quality of all the grades is very good. Violets, principally single, have been very heavily demanded despite the increased quantities coming in. The quality shows their season is nearing its end. Mignonettes of fair quality can be had in quantities a little shart of the demand. Lily of the val. ley, although short for a few days, can now again be had in good quantity. Grecn goods can now be secured in better quantities.

Nanz \& Neuner are receiving plenty of carnations from their St. Matthews establishment, Enchantress being especially goont. Their window always appears neat with a large assortment of flowers
William Walker had a pretty window consisting of some good azaleas, bulbous stcck, and specimen cyclamen plants.
F. L. S.

\section*{ \\ }

Lady Bountiful Undoubtedly the best all-around White Carnation to Phyllis. Rudd's New Light Pink Carnation; fine sbipper and good keeper diver 100 , 100 per 1000
Chicago White. Rudd's New White. Very productive. Sells well in \(\$ 1200\) per 100; \(\$ 100\) per 1000 .
Robert Craig, Grand Scarlet. Orders booked now for delivery January,
While LawSOn. White Sport from Mrs. Lawson, and all who grow Mrs. \(\$ 60.00\) per 1000 .

Per \(100 \quad 1000\)
\begin{tabular}{|c|c|c|c|c|c|}
\hline & Per 100 & 1000 & & Per 100 & 1000 \\
\hline Albaiross, whi & 8500 & \$10 00 & Harlowarden, crimson. & \$2 50 & \$20.00 \\
\hline & 175 & 1500 & & 500 & 0, \\
\hline
\end{tabular}

 Cardinal, new scarlet. .............. 12001200100.00 \(\begin{array}{ll}\text { Crisis, new scarlet............... } & 1200 \\ \text { Crusader, red.................... } & 5.00 \\ 100.00 \\ 4000\end{array}\) \begin{tabular}{llll} 
Drisader, \\
Dabelm, crimson.................... & 6.00 & 50.00 \\
\hline
\end{tabular} Nelsuo Fisber, deep pin 3.75
1.75 \(\begin{array}{llrr}\text { Dabeim, Whitney, yellow......... } & 5.00 & 40.00 \\ \text { Endipse, Worner s pink.......... } & 1200 & 10000\end{array}\) Enchantress, light pink 4.00
 Fiancee, new (April 1) ............... 1200100.00 Flamindo, scarlet. .................. 600.5000 \(\begin{array}{llll}\text { Flora Hill, white................. } & 1.75 & 15.00 \\ \text { Genevjeve Lord, light pink.... } & 175 & 1500\end{array}\) Gov. Wolcott. white............. 550 . 20.00

\section*{VAUGHAN'S SEED STORE, Chicago.}

Greenhouses, Western Springs, III

Please mention the A merican Florist when writing.

FINE
STRONG
HEALTHY CUTTINGS ARE

SOLD AT \(\$ 10.00\) per 100 40.60 per 500 7500 per 1000 ORDER at ONCE

\section*{W. J. PALMER \& SON, Lancaster, N. Y.}

Please mention the A merican Florist when writeng.


PLACE YOUR NAME
and your speoialties befors the purohesing florlats of the entle oountry
by advertiaing in
BEND ADVT, NOW.
FEE AMERICAN FTORTSY.

\section*{CARNATION CUTTINGS.}

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.
Per \(100 \quad 1000\)
Lawson. \(\qquad\) \(\$ 1.50 \$ 12.50\)
Guardian Angel \(\qquad\) \(1.00 \quad 9.00\)
Enchantress.. \(\qquad\) \(3.00 \quad 25.00\)
Morning Glory. \(1.50 \quad 12.50\)
Mrs. Higinbotham..................... \(1.25 \quad 10.00\)
Estelle................................ \(2.50 \quad 20.00\)
Chicago............................... 2.0015 .00
Adonis.. \(\qquad\) \(2.50 \quad 20.00\)
Flora Hill........................... \(1.00 \quad 9.00\)
Whlte Cloud......................... 1.2510 .00
Her Majesty......................... \(1.50 \quad 12.50\)
Harlowarden........................ \(2.00 \quad 15.00\)
Orders Filled Promptly.
WIETOR BROS.
51 Wabash Ave., Chicago.

\section*{Red Sport}
(OF MACEO.)
RED SPORT has proved the greatest modey maker we ever grew, produciog more good bloom to the square foot of beach room than any other variety ou tbe place.
During the glut the first hall of Jaouary, we could get but four ceats for iancy Lawsons, but sold every RED SPORT bloom we had for five ceats each.
Every grower who was here in December was carried away with REO SPORT'S possibilities as a Iuture supply of a "holly herry" red los Christmas. There 18 ao pick in the blooms; they are all a ualiorm size a od color. There are 40 or stages of developmeat, sad there is not various off color hloom in the lot, and every plant is the -pleture of health.
pleture of health. season's bloomiog, the cut from which is siready sold to two of Washlogton's leadlag retailers.
RED SPORT is an ersy doer sad svery growe
can successlully grow it.
Price lor February 80 , delivery: 12 for \(\$ 1.50\); 25. for \(8.50 ; 50\) lor 84.00 , post pald; \(\$ 6.00\) per 100; 850.00 per 1000 .

Oueen Lolise we most profitable stamard psid: 810.00 per 1000 .

We guaranteg ali cullings to bs well rooled
and 10 arrive in good condition. : : : :

\section*{A. B. DAVIS \& SON, carnation specialists \\ puroenville, va.}

\section*{Carnations rooted cuttincs.}

Send Tor price list of all the new and


500,000 VERBENAS \(\overline{\text { vaRIETIES }}\) The Largest and Finest Slock in the Counlry. PERFECTLY HEALTHY-NO RUST.
Prize Roated Cuttings .60c per 100; 85.00 per 1000 Plaots, 24-ibch pots
311,11 BABMATME Rooted Cuttings Clean and Heaithy. \(=:\) : : :
CRISIS, Now Commarcial Scariol Per 100
\(\ldots . .8600\) Mrs. Pattea....
Judge Hiadsle Ludge Hiasdale
\begin{tabular}{|cc|}
\hline\(\ldots . .\). & 5.00 \\
100 & 1000
\end{tabular}

Wloriana Sott 100
1000
810.25

Lorisas 1.25
1.25
1000
\(\begin{array}{llll}\text { Loras .............. } & 1.25 & 10.00 \\ \text { Eldorsdo......... } & 1.25 & 10.00\end{array}\)
Mrs. Joost.
Eachaotress.


\section*{60,000 GRAFTED ROSES For Forcing-..-Finest Grown,} Priflers booked for delivery in Aprll, May aod Jane.
LIEERTY, zose pots. \$'200 per 100: 31/8-1nch pots, per 100.............. \(\$ 18.00\) BRIDES, BRIDESMADS, 80LDEN GATEB, KAISERINS, rose pots, per \(100 \ldots \ldots 10.00\) 34-inch pots per 100............................................................. 15.00 SEND FOR PRICE LIST.

\section*{J. L. DILLON, Bloomsburg, Pa.}

Please mention the American Florist when writing.


Please mention the A merican Flor ist when writing.


\section*{Montreal.}

The Montreal Gardeners' and Flo rists: Club greatly regrets that the car nation show had to be called off, although considerable trouble had been taken to make it a success. Trophies aud other prizes were guaranteed, the hall provided and so on, but the only exhibit which arrived was 1,000 carmations from the Chicago Carnation Company. A large number of outside growers had promised entries but failed to show up. The local growers did not intend to exhibit, but just to choose the rarieties from which to place orders for cuttings.

The executive committee of the Canadian Horticultural Association met last week. The date of the convention will be Angust 10, 11 and 12. The members of the committee were enter tained by Mr. Pinotean, city gardener

Visitors in town receutly were: H. Wright, of Ottawa; J. H. Dunlop and J. A. Simmers, of Toronto.

LUCK.

\section*{Flagstaff, Ariz.}

Colonel George Hochderffer, of Flagstaff and Miss Mary Johnston, of New York city, were married at Winslow Arizona, November 8, 1904. Coloncl Hochderffer has a fiue ranch in the San Francisco Mountains near Flagstaff. For several years he and Dr. Purpus of San Diego, Cal., and Darmstadt, Ger many, have been shipping cacti, agaves, orchids, seeds, etc., to Europe. Their shipment of Arizona and Mexican cacti to Frantz De Laet of Contich mear Antwerp were awarded first prize at the Düsseldorf exposition last summer. Mrs. Hochderffer is a graduate in arts of the University of Toronto and for several years was a teacher in the Morris high school, New York city

Noroton Heights, Conn-Jancs Patience is cutting excellent carna tions, including Enchantress, Prosper ity, Flamingo and Harlowarden. Ho will devote more space next season to Bridesmand and Kaiserin roses.

\section*{YERY LDM RATES *) M1 ! ? WABASH}
 THE WABASH




For mars, time card and full particulars, addetess any of the undersigaral.
\(\therefore\) Serott, Gen'l akt., Mllwalkee. WIs.
R. s. (ikebnwoon, M. P. Agt., (hmeng. F. A. PALMER, A. is P. Akt, Chleako

\title{
200,000 CARNATIONS OLEAN, HEALTHY STOCK.
}
\begin{tabular}{|c|c|c|c|c|c|}
\hline Queen L & 00 & 810.00 & Pres. & 0 & 812 \\
\hline Flora Hlll & 1.00 & 10.00 & G. H. Crane. & 0 & 10. \\
\hline Gov. Wolco & 1.00 & 10.00 & America & 1.00 & 10. \\
\hline Chicot & 1.20 & 10.00 & Garlowarden & 1.40 & 12 \\
\hline Mrs. Thos. Laws & 1.40 & 12.50 & Prosperity & 1.40 & 12 \\
\hline Enohantress. & 3.50 & 30.00 & Armazindy & 1.00 & 10. \\
\hline Mrs. Joost & 1.00 & 10.00 & Viols Allen & 1.20 & 11. \\
\hline Suooess & 1.00 & 10.00 & Galety. & 1.20 & \\
\hline
\end{tabular}

Special prices on large lots. Unrooted plps at half price of ahove. 25 at 100 ; 250 at 1000

\section*{LOOMIS FLORAL COMPANY, Loomis, Cal.}

\section*{Receiver's Sale.}

CARNATIONS. Clean, healthy Rooted Cuttings.
\begin{tabular}{llll}
\multicolumn{1}{c}{ RED. } & RED. & PiNK. & Bon Homme Richard \\
Manley & America & Mrs. Nelson & Flora Hill \\
Mrs. Potter Palmer & PINK. & Guardian Angel & VARIEGATED. \\
Mrs. Ine & Enchantress & WHITE. & Prosperity \\
Flamingo & Mrs. Higinbothams & White Cloud & Armazindy \\
Harlowardeu & Mrs. Lawson & Queen Louise & Her Majesty
\end{tabular}

ROSE PLANTS, from 2-inch pots.
American Beauty, Bridesmaid, Perles, Liberty, Bride, Golden Gate. Shipped prompily from Greenhouses of MICHAEL WINANDY. Write for prices and terms. EDWIN C. DAY, Receiver, 51 Wabash Ave., Chicago.

CRISISCornation have ever seen two years and is the best scanlet descriptive circular. Price, \(\$ 12.00\) per \(100 ; \$ 10000\) per 1000.

\author{
\section*{J. L. DILLON, Bloomsburg. Pa.}
} This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet It is a money maker. Send for

\section*{CARNATIONCUTTINGS}

WELL ROOTED, FROM SELECTED STOCK.
\begin{tabular}{|c|c|c|}
\hline NELSON FISHER & \[
\begin{array}{r}
\text { Per } 100 \\
\ldots
\end{array}
\] & \[
\begin{gathered}
\text { er } 1000 \\
\$ 60.00
\end{gathered}
\] \\
\hline MRS. M. A. PATTEN & 6.00 & 60.00 \\
\hline Flamingo. & 6.00 & 60.00 \\
\hline CRUSADER. & 6.00 & 50.00 \\
\hline D. Whitney. & 5.00 & 40.00 \\
\hline ENCHANTRESS & 400 & 30.00 \\
\hline H. FENN. & 3.00 & 25.00 \\
\hline MANLEY. & 3.00 & 25.00 \\
\hline FA1R MAID & 2.60 & 20.00 \\
\hline QUEEN. & 3.00 & 25. \\
\hline
\end{tabular}

BACKER \& C0., Billerica, Mass.

\section*{Have You Placed Your Order For \\ FRED. BURKI}

The Commercial White?
Il not do so. All orders buoked now are for March delivery.......
JOHN MURCHIE, Sharon, Pa. S.S.SKIDELSKY, Philadelphia,


\section*{YOUR SEASON'S BUSINESS}
can be started now by advertising in this journal. Don't delay in commencing next winter's business. The best orders are placed early with advertisers in
TRY THIS PLAN.

\section*{ROOTED \\ }

Fine, Clean, Healthy Slock. Satlslaclion Guaranleed.
ROSES
Per 100 Per 1000
\begin{tabular}{|c|c|c|}
\hline AMERICAN BEADTY & 83.00 & \$25.00 \\
\hline LIBERTY & 3.00 & 25.20 \\
\hline BRIDESMAID & 1.50 & 12.50 \\
\hline BRIDE & 1.50 & 12.50 \\
\hline GOLDEN GATE & 1.50 & 12.50 \\
\hline
\end{tabular}

CARNATIONS.
\begin{tabular}{|c|c|c|}
\hline RED & \multicolumn{2}{|l|}{Per 100 Per 1000} \\
\hline CRUSADER & \$5.00 & 845.00 \\
\hline FLAMINGO & 5.50 & 45.00 \\
\hline ESTELLE & 2.50 & 20.00 \\
\hline PINK & & \\
\hline MRS NELSON & 1.50 & 12.50 \\
\hline MRS. LAWSON & . 1.50 & 12.50 \\
\hline GUARDIAN ANGE & . 1.00 & 9.00 \\
\hline MRS. JOOST. & . 1.25 & 10.00 \\
\hline GENEVIEVE LORD. & . 1.25 & 10.00 \\
\hline ENCHANTRESS. & . 3.00 & 25.00 \\
\hline LICHT PINK & & \\
\hline \begin{tabular}{l}
HIGINBOTHAM ... \\
WHITE
\end{tabular} & . 1.00 & 9.00 \\
\hline BOSTON MARKET. & . 2.50 & 20.00 \\
\hline PERU. & . 1.00 & 9.00 \\
\hline WHITE CLODD & . 1.25 & 10.00 \\
\hline QUEEN LOUISE & . 1.00 & 9.00 \\
\hline FLORA HILL & ... 1.00 & 9.00 \\
\hline VARIEGATED & & \\
\hline M. A. PATTEN. & ... 5.50 & 45.00 \\
\hline
\end{tabular}

GEO. REINBERG,
51 Wabash Ave., CHICACO.

\section*{60,000 Gratedef Roseflants}

We are now grafting on English Manetti the above amount of all selected flowering wood. NO BLIND wood used at all. We offer for sale, delivery about April ist in \(21 / 2-\) inch pots, thoroughy hardened off and ready to shift into \(31 / 2\)-inch, the following.

Per 100
 \(\$ 10.00\) 10.00

LA DETROIT...................................... 12.00
GEN. MacARTHUR...........................................................................00
LIBERTY..........

\section*{ROOTED OUTTINGS.}

Guaranteed all side shools. No tops. READY NOW.

Per 100
BRIDE, BRIDESMAID........................... \(\$ 1.50\)
CHATENAY..................................................................................................
LIBERTY.......
LIBERTY............................................................................... 2.50

\section*{CARNATIONS.}

Per 1000


Store: 76 Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.


\section*{CABNADSNSTRONGROOTED CUTTINGS. \\ WE OFFER FIRST.GLASS STOCK OF THE FINEST VARIETIES.}

Variegated LawSOn. This variety which we are introducing this season we Pure ivory Pure ivory white with delicate carmine pencilings. Mr. Wr N. Craig, an authority on everythlng
pertaining to horticulture, saya that he knows that thia variety will outbloom the favorite Mra. M. A. Patten three to one. It has the Lawson habit and stem, and is bound to give satisfaction. \(\$ 12\) per 100: \(\$ 100.00\) per 1000.
Red LaWSOn. A bright red aport of Lawson that is bound to be popular, and will be Cardinal. Bright cardinal, or crimson scarlet. Won frst prize for best 100 gcarleta first Caichat prize for beat 50 oarnationsany color, frat prize for best 50 scarlet aeedling Chícago. \(\$ 12.00\) per 100; \(\$ 100.00\) per 1000.
Fiancee. The queen of pink carnstions; in a class by itself. Magnific
Fred. Burki. Recommended as an extra free-blooming white variety and a clsimant
White LawSOn. We consider this variety, which we introduced last a日ason, the
outbloom any other white two to one. It has given great satisfaotion. When the fowers are left on the plants until funy deveto ane. It has given great satisfaction. When the towers beliepe this will occupy among white carnations the same place tha Mra. Thos. W. Lawaos. We bemon pink oarnations. Rememher that we are headquarters for it. Splendid stock rasdy for immediate delivery. \(\$ 7.00\) per 100; \(\$ 50.00\) per 1000 .
LADY BOUNTIFUL. A magniflcent white of last gesson's int
\(\$ 50.00\) per 1000 .
DAHEIM. Dark crimson. Grand stiff stem. Calyx never burats. Free and abundant bioomer, developlng very quickly. We connation. \(\$ 6.00\) per 100; \(\$ 60.00\) per 1000.
MRS. M. A. PATTEN. This grand variegated
Armition
A. PATTEN. This grand variegated tion. \(\$ 3.00\) per \(100 ; \$ 2000\) per 1000
Wo aro now properad to book ordars lor \(1905 \mathrm{~V} / \mathrm{CTORY}\)
ated

Wo aro now proparod to book ordors lor 1805 VICTORY.
for THE COMINC SCARLET CARNATION
This is a real bread-and-butter variety. An early, free and abundant bloomer. with good stem; a magniffent keeper and shipper; flowera of the largest aize, commanding the very highest price. Tbis ig going to be a money-maker. Orders will be filled in rotation, as recelved. Delivery begining December next. \$12.00 par \(100 ; \$ 100.00\) por 1000.
F. R. PIERSON COMPANY, Tarrytown-on-Hudson. N. Y.

\section*{CARNATIONS \\ WM. PENN. A promising pink bloomer ever happeued. From soil \(\$ 10\) bloomer ever happe
per \(100 ; 25\) for \(\$ 2.50\). Queon Loulso, from aoil st \(\$ 1000\) per 1000 . Florlana, from soil at \(\$ 12.50\) per 1000. Big Batch ol Cultings From Sand. Ready March 20. Send for March price list.}

\section*{ALBERT M. HERR,}

\section*{GERANIUMS \\ ROOTED CUTTINGS.}

Nexl Delivery March 27. \(\$ 10\) and \(\$ 12.50\) 100,000 Smilax. 50,000 Sprengeri. 50,000 Plumosus and Robustus.
Ready June 1. Send for prices.

\section*{Lancaster, Pa.}

\section*{CANDACE}
\(\$ 2.00\) per doz.: \(\$ 12.00\) per 100; 8100.00 per 1000. Dissemination 1906, Early commercial.
IHDIA APPOLIS FLOWER \& PLAHT CO., Indianapolls, JOHN HARTJE................ . ind.

\section*{FLAMINGO}

Rooted Cuttings now ready, \(\$ 6.00\) per 100; \(\$ 50.00\) per 1000. Cash with order from unknown parties.
L. E. MARQUISEE, Syracuse, N. Y.

\section*{CARNATIONS ROOTED CUTTINGS.}

Per 100 Per 1000 The Queen ...... . . . . . . . . . . . . . . . . . . . 82.00 \$15.00

E. H. BLAMEUSER, Niles Center, III.

The Best Florists' Paper.
American Florist Co.:-Enclosed find postoffice money-order (\$1) subscription for the best florists' paper. F. R. Matilison.
cardation has given aplendid satisfaction. \(\$ 500\) per 100: \(\$ 50.00\) per 1000.
ENCHANTRESS. Freest hlooming, bringing highest market prices. \(\$ 4.00\) per 160 : \(\$ 30.00\) per 1000.
MRS. THOS. W. LAWSON. \(\$ 3.00\) per 100; \(\$ 2000\) per 1000.
PROSPERITY.

CARNATIONS \begin{tabular}{c} 
Rooted \\
cutings \\
\hline
\end{tabular} whit lawson.
The king of white sorts. A strong grower and a free bloomer. We have be filled in rotation. \(\$ 7.00\) per \(100 ; \$ 60.00\) per 1000 .
\begin{tabular}{|c|c|c|}
\hline & Per 100 & 1000 \\
\hline Lady Bountiful. & \$7.00 & \$60.00 \\
\hline Mrs. M. A. Patten & 6.00 & 50.00 \\
\hline Nelson Fisher & 7.00 & 60.00 \\
\hline Daheirn & 6.00 & 50.00 \\
\hline Enchantress & 8.50 & \$0.00 \\
\hline Boston Market & 2.50 & 20.00 \\
\hline The Queen. & 2.50 & 20.00 \\
\hline Mrs. T. W. Lawso & 2.00 & 18.00 \\
\hline Gen. Maceo. & 2.00 & 15.00 \\
\hline Morning Glory. & 2.00 & 15.00 \\
\hline Mrs. G. M. Bradt & . 3.00 & 25.00 \\
\hline Melba & .. 1.50 & 12.00 \\
\hline Queen Louise & . 150 & 12.00 \\
\hline White Cloud. & . 1.50 & 12.00 \\
\hline
\end{tabular}

We are now booking orders for future delivery. Write for prices
WOOD BROS, Fishkill, N. Y.

plants, Eulbs and Seeds. 1305 Filbert Street. PHILADELPHIA Please mention the American Flovist when wriling.

\section*{Buffalo.}

\section*{the market.}

The opening of the Park theatre called forth a fine lot of flowers. The supply of stock is good and prices are good. Daffodils and tulips are in profusion and also Duteh hyacinths which are selling.

\section*{FLORISTS' CLUB EXHIbITION}

The carnation exhibition was held as per schedule and was a good show and while the exhibitors were not numerous still it was good. Patten \& Company, showed Mikado. Its similarity to Prosperity was very narlsed. Palmer's Red Lawson and his pink sport were fine flowers. The exhibit of Theo. Venneman, gardener to George Urban, Jr., included thirty-five varieties, all named, from the oldest of thirty-five years ago to the present date. It was decidedly a good exhibit and he deserves credit for his patience in getting them to perfection. A very pretty vase of Robt. Craig was shown and My Maryland sent by \(H\). Weber \& Sons, Oakland, Md., looked like a good flower, but it had been too long on the road. The Lake View Rose Gardens had Red Lawson and a white seedling, Gladys, which was grand. Fred Burki shown by John Murchie, Sharon, Pa., was a beautiful flower. R. Witterstaetter's Aristocrat was a beautiful flower and should be winner with the public. F. R. Pierson's Variegated Lawson and Daheim, were good. D. J. Scott had Harlowarden and Flamingo. F. B. Lewis, Lockport, had Enchantress añl Red Lawson.

The points scored by each were as follows:
EXhibitor and variety.
ponsts. Guttman \& Weber, Victory 87 Lake View Rose Gardens, Gladys Patten \& Company, Mikado. J. Murchle, Fred Burki.. R. Witterstaetter, Aftergiow:
\[
\begin{aligned}
& \text { Aristocrat } \\
& \text { T. A. Valentine }
\end{aligned}
\]
F. R. Pierson Company, Daheim
w. I Palmer \& Son Var. Lawson C. W. Ward, J. D. Thompson Carnation Company, Robert Craig............ 93
The judges were Henry Wise, Wm.................. Scott and C. T. Guenther. The visitors were numerous and there were: \(B\). J. Meyers, Lancaster, N. Y.; C. H. Roney, Jamestown, N. Y.; R. Reynolds, Oil City, Pa.; C. F. and Charles Christensen, Eggertsville, N. Y.; H. J. Wise, E. Aurora, N. Y.; C. T. Guenther, Hamburg, N. Y.

The regular meeting of the club was held and nominations for officers were made as follows: President, L. H. Neubeck; vice-president, C. T. Guenther; secretary, D. B. Long; serretary, W. J. Peak; financial secretary, E. C. Bruecker; treasurer, C. H. Keitsch. The election will be hald this montb.

Several stores have made rindow decorations for the automobile show which is béing held this week.

Mr. Geddis of Geddis \& Blind Brothers, Pittshurg, was a recent visitor.

Brson.
Mifr City, Minh-Boehringer Brothers will erect in the spring threo new houses, \(19 \times 105\) feet each, to be usct for smilax and asparagus, falms and ferns, and chrysanthenums. The Foley Manufacturing Company, of Chicagr, will furnish the material.

\section*{ROOM WANTED.}

\section*{ROSES.}

We have 50,000 of them in \(2,2 y\) and 3 -inch rose pots ready to go out, of following varieties: Bride, Maid, Golden Gate, 1 vory, Meteor, Souv. de Wootoa, Kaiserin Aug. Vic., Perle des Jardias, Belle Seibrecht, La France, Prebident Carnot, Gen. Macarthur, La Detroit. American beauty. Send lift of your wanas and will name you a special price for cash. We want
room.

PLUMOSUS AND SPRENGERI.
We have some estra fine plants in 2,3,4 and 5-inch. A special discount of \(10 \%\) for cash for one week from this date. We must have room. Order quick.

\section*{BOSTON FERNS.}

We offer this popular fern in \(3,4.5,6,7\), 8 and 10 -iach pots. PIERSONI, in \(21 / 3,3\) and 6 iach. SCOTTII, ia 4.5 and 6 -inch. All No. 1 plants. Also small Ferns for Fernerieg. Araucarias, Ficus, etc., etc. Room and cash counts.

PLANTS IN VARIETY. Rooted Cuttings and 2 -inch.
Coleus, Petunias. Geranjums in red, white, pink and salmon, rose, and Mme. Salleroi. Begonia, Rex and floweriag, Sweet Alyssum, Feverfew, Cuphea. Laotaoas, Moon vines, Vincas Salvias, Alterantheras, red and yellow, Ageratums, Cobæa Scandens, Pansies-seedlings or transplanted, etc., etc.

\section*{CUT FLOWERS AND POT PLANTS.}

We offer Roses. Carnations, Lilies, Cinerarias, Obcooicas, Ilyacinths, Tulips, Genistas, Yon Sions, Paper Whites, Romazos, etc., etc.
Write GEO. A. KUHL,

Pekin, III.
Please mention the \(A\) mertcan Florist when writing.

\section*{CRRIATION CUTITICS. \\ THE BEST. NOW READY. \\  \\ Chicago Carnation Co.} JOLIET, ILLINOIS.

ROOTED CUTTINGS OF-
Chrysanthemums and Carnations - NOW READY-

Price list mailed on application. List includes all the hest commercial varieties as well as ame of the tried newer sorts. Strictly first-class stock
POEHLMANN BROS. CO., mert GRENHOUSES
 Per 100 Per 1 coo \(=85.00\) per 1000. Also
\(\begin{array}{rr}\text { Per } 100 & \text { Per 1C00 } \\ . .5150 & \text { sis } 50\end{array}\) 95.60 per 1000 . Also

Per100 Peric00 Mrs, Fer 100 Per 1000
 Oueen Louise

Keep in touch with "MELODY," the daybreak sport from Lawson
Quality is Our Hobby.
W. C. HILL FLORAL CO.,

Streator, 111.

\section*{ROOTED GARNATION GUTINGS.}

CHEAP. Enchantress, Nelson Fisher, M. A Prttea, Gov. Wolcott, Hostoo Market, White Cloud sad Mme. F. Joost. Also uorooted of last twovarieties. Prices upon application.
C. 6. VELIE \& SON, Marlbrough, N, Y


Bulbs and Plants.
AUGUST RÖLKER \& SONS, 31 Barclay St., NEW YORK, P. O. Box 752.

\section*{DREER'S HAROY PERENNIALS}

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts
for summer cuttings; you will find them profitable for this purpose as well as being an attraction to for summer cuttings; you will find them profitable for this purpose as well as being an attraction to yourgrounds.
We have a large stock and the plants offered are all of such size that they will give the best pos-
sible returns. For a complete hist of this class of plants as well as all other seasonable gtock see sible returns. For a complet
our Current Wholesale List.


HENRY A. DREER,

\section*{SPECIAL OFFER}

ROOTED CUTTINGS
Strong, Heallhy and Well-Rooted.
Per \(100 \quad 1000 \quad\) Per \(100 \quad 1000\)
\(\qquad\)
Indianapol .\({ }^{2} 5.00\)
400
 \(\begin{array}{llllll}\text { Enchantress } & 2.50 & 24.00 & \text { Glacier....... } & 1.55 & 12.00 \\ \text { B. Market.. } & 1.75 & 15.00 & \text { Prosperity.. } & 1.50 & 14.00\end{array}\) Estelle...
Double Fringed Petunias \begin{tabular}{c} 
Weare \\
vivess \\
\hline
\end{tabular} beadquartera tor these slis diatinct noverities. beadquartera for tbese. Six diatinct
labeled, 81.25 per \(100 ; \$ 10.00\) per 1000 .
Salvia, Two Boil Lord Fanderno (dyarr),
The W, T. Buckley Co., springefeco,
Plaser mention the Amercan Foloris uhenen uritiog.

\section*{200,000}

YOUNG ROSES

\section*{FOR THE TRADE,}

Large Assoriment: H. P., H. T., Tea, Etc. All grown from wond taken from plants in the field, and never forced. Figure this out for yourself-whether better than forced stock. for our low prices and let us tell yon wbat we bave. California Rose Co, los anceles,
(ncooppoateo) 714 Chestnut St., Philadelphia.
(псоврооатер) 714 Chestnut St., Philadelphia.
 Heliopis swaber Major, 1 -in. pots...... \(\$ 1.00\) \& 4,00 Hollyhocks, Dreer supurb bouble int 1.8510 .04 Irollyhocks, Breer supurb Double in 00 15 pericum Doserianum, 3-in. pots.... 1.00 8.00 Iberis sumpervirens, 3-ill pots 1000 lris Kinempferi, at ehoicu named var. 1.251000 \(\begin{array}{ll}\because \quad \text { is } \\ \ldots & \text { finestmixed........... } 1.00 \\ 8.00\end{array}\) ". .. fine mixed............. 50 . 4.00

 Myosotis Pahstris \(\begin{gathered}\text { Pempertiorens, } \\ \text { strong } 3 \text {-in. } \\ \text { pots,........... } \\ \text { in }\end{gathered}\)
strong 3 -in. pats........... ,
Spirxa Ulmaria, strony 4 -in. pots...... \(\$ 78 . \$ 6.00\) statice Fximia, strong 3-in. pots...... 简 6.00 Latifoli, strong 3-1u. Pots....... in 8.00 Stokesia Cyanea, strong 3-in. pots...... \(1.00 \quad 5.00\) sweet 1 illians, strong t-in. pots...... it. Thatictrum intge clumps......... in to. 00 plırea, 4-ĭ1. pots............................. 1.00 8.00



 \(\begin{array}{llll}\text { Oramicus Excelsior, } 4 \text { in, pts. } & 1.50 & 10.04 \\ \text { Orange (ilobe, } 4 \text { in. puts } & 10.00\end{array}\) Tritoma D'titzerin,strong per 1000 toon 1.00 6.04 \(\begin{array}{llllll}\text { "Macowaniz. } " \quad \text { is } & 7.001 .00 & 8.00\end{array}\) Uvaria Gra-dillora. str ug
 \(.00 \quad 800\)
800 1.00
1.000
8.000

 Dahlias Mrs. Winters
The beautiful zew white ia atill queen of the world, strone tubers, 81000 per 100.
the leadig Egeland cactus, \(\$ 3.00\) per doz.; \(8: 0\) per 100 . Oiher novel ties and standarda. Also double field-grown Hollybocks. true to color, \(\$ 3.00\) per 100. Gladioli,
W. W. WIIMORE. Dahlia Specialist, Box 382, DENVER, COL.

\section*{Orchids!}

Arrived in fine condition CATILEYA MENDELLII, DENDROBIUM WARDIANUM, LAELIA ANCEPS \&DU ONCIDIUM TIGRINUM UNGUICULATUM. WE also VEITCHII.
Lager \& Hurrell, SUMMIT, N. J. Orchld Growers and Importerg.

CYCLAMEN
SPLENDENS GIGANTEUM HYBRIDS. My wellknown atrain in five true colors (geedlings), twice transplanted from flats, including tbe frlaged varlety, well-grown plants, \(\$ 300\)
per 1000 . Satisfactlon guaranteed
PAUL MADER, East Stroudsburg, Pa.

\section*{Stanley \& Co. \\ \section*{SOUTHGATE, ENGLAND.}}

The Live Orchid Importers are constantly receiving lmportations of the finest character. Thoy Sollcit Enquirlas. Brazilian Species C. Iabiata. C. Warnerii. C. Harrisoniæ now arriv. ing io perfect, leary, dormant condition

\section*{Paeonias}

\section*{FESTIVA MAXIMA}

WHITE (geuerally called (Vueed Diciorig) \(\$ 35\)
FRACRANS, the
For 1000 rates and oth
CILBERT H. WILD, Sarcoxie, Mo. Please mention the A merican Flor ist when ith ittng.

\section*{Successful Growers are Wanted}

To know that they can dispose of all their surolus stock by Advertising in the american Florist. TRY IT NOW.

\section*{Toronto.}

Trade the pist week has been exceedingly good anf stock has been cleaned up in fine shape. The supply of roses has become much larger but is yet not sufficient to supply the heavy demand American Beanty continues in heavy demanu, but fer orders are filled. The plants, howerer, show marked improvement and buds are setting nicely. February was consilerably behind the arerage for sunshine, but now that the weather is considerably brighter the rose crop will get heavier. The stock that is coming in is of very select grale and teas command \(\$ 15\) per 100 , \(\$ 8\) being realized for No. -. The carnation market has been relieved of an over-supply and whites are getting scarce. Bulbous stock, though pleatiful everwhere is meeting with fair demand, but prices have been cut very low

\section*{notes}

The bult growers are complaining of the failure in some instances of the tulip crop, the flowers of which do not develop. The bulbs look perfectly healthy and of gool size, but have been gathered before they had ripened.

This city lost one of her best citizens in the death of E. F. Clarke, M. P., whose funeral crated the heaviest demand for flowers which we have seen for several years.
R. Jemings, of Brampton, is cutting fincly grown street peas: these have been sperialtins with him the past three fears and are not equaled in this section.
Arthur Frost has a heary erop on his ever hlooming eallas, but the heary demand for funeral flowers keeps them Well used up.
Trm. Fentloy is eutting violets by the tens of thousands: many of his Princess hare 15 -inch stoms and flowers like pansies. H. Thmlop is sunding in some well grown domble lilaca ant rholodendrons Which meft with ready sale
Grobba o Wandrey have been bringing in pryamin azaleas which are well Visitors: Thomas Knight, of Julius Rofhrs Comprany aur R. Jennings, Brampton. JI. G. D.

Orange, N. J.

houses of William Barr, of Llewellyn Park, flowered by Arthur Bodwell, attracted much attention. The judges for the evening were Joseph A. Manda, Arthm 'T. Caparn and Henry Hilbig.

Thomas Jones, of Short Hills, and Jantes Lang were placel in momination for mombership. Alex. Smith and Otto入lanctz were elected members. On motion of Walter Gray, a special tahlia "xhibition was decided upon and given are to the executive committee with J. B. D.

Wanted100 Anligonon Leptopus. 250 AllamandaWilliamsi. 200 Oleander Variegatum.

Should be pleased to receive your reply with quotations for any number you may be able to furnish of above varieties not exceeding amounts
stated. Address

The TEMPLIN CO., Calla, 0 .

\section*{CANNAS}

Dormant roots in excellent condition. J. D Eslie, ane of the very finest red varieties with green foliage, \(\$ 2.50\) per 100 . Dsvid Harum, bright vermillion, good bronze foliage, \(\$ 250\) per 100. Mile. Berat, the leading piak, \(\$ 1.00\) per 100; \(\$ 9 . C 0\) per 1000 . Guaranteed true to asme.
W. W. COLES, Kokomo, Ind. Please mention the A merican Flor ist when writing.

\section*{100,000 Alternantheras.}

STRONG ROOTED CUTTINGS.
Briliantissima, the best deep red, 75c per 100; \(\$ 00\) per 1000 , A. Nana, yellow, 50 c per \(100 ; \$ 400\) per 1000 . P. Major, red, 50c per' \(100 ; \$ 4.00\) per 1000.
Speoial prices on 5000 or more.

\section*{DAVIS BROS., Morrison, III.}

\section*{The Brockton Dahlia Farm}

Was frozen up last year, but is thawed out this year, and is ready for business, with the finest collection of Dahlias in the United States. Send for price list,
W. P. LOTHROP, east bropagenater,

\section*{HINODE FLORIST CO.} ...JAPANESE NOVELTIES...
TINY PLANTS, in 2 and 3 -in. decorated Japanese pots, \(\$ 15.00, \$ 20.00\) and \(\$ 25.00\) per 100 RHAPIS, 5 to 15 shoots, 50 centa each.

IARGESI GROWERS OF EASTER EIIIES.
WOODSIDE, N. Y, and WHITESTONE, L. I., N.Y. Please mention the American Florist when writhng.

\section*{RUDBECKIA.}

Per 100
Extrs choioe, Iarge clumps...................... 5 . 5.00 Asp. Sprengeri, extra quality, \(2 \%\)-in. pota... 2.00 Asp. Plumosus, extra quality, 2y-10. pots... 2.6 Asp. Plumosus, extra quality, 3-in. pots..... 4.00

JOHN BROD, Niles Center, III.
Please mention the A merican Florist when wriling

\section*{MOLLER'S}

Deutsche Gartner Zeitung
The most widely circulated German gardening journai, treatingof alldepartments of horticulture and floriculture. Numerous emlaent correspondents in all parts of the world. An advertising medium of the highest class.
Molier's Deatsche Gartaer Zeltung Is publlshed weekly and richly illustrated. Subscription \(\$ 3.00\) per annum, including postage. Sample cople tree.
LUDVIG MOLLER, Efrurt, Germany.

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GERANIUMS, Jesn Visud, S. A. Nutt, Csstel Isne, John Doyle, Parkins. Single sad Double, Gen. Grsnt, La Fsvorite, Mme. Sblleroi, S-id. pots, 82.50 per 100 .
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European Horticulture.
Cross Fertilization of Peas.-The lat Thomas Laxtoa, who may be said to have followed Thomas A. Knight and Dr. Laxton tion of culiarary peas, has left on record a few conclusions be came to in reference to experiments io crossing peas tended to show that the color of the immediate offspring of second geaeration sometimes follows that intermediate between that add the pollenbearing parent, and is sometimes distinct partakes of the color of the pollen parent thas not ascertained hy Laxton ever to Lollow the exact color of that of the pollen pound to assume an intermediate character but also followed that of either parents. In the second geveration, in a single pad, the result of cross made between peas differing in shape and color, the seeds were somecimes all intermediate, sometimes they reprecolor, and sometimes both colors and charcolor, and sometimes both colors and charThe results also seemed to show that the third generation, that is to say, seed prothe immediate offspring of a cross, frequently varied frem its parents in tion only, but the fourth generation was found to produce mere numerous lag partly to the calor and character of its ancestors of the first generations, partly par taking of the various intermediate colors and characters, and partly sporting quite away from any of its ancestry. These sports appeared to become fixed and permanent in the next and succeeding generations; and the tendency to revert and sport thenceforth geems to become checked if not absolutely stopped. These experiments further tended to show that the height of growth is sidgutwo dwarf peas commonly produced some dwarf and some tall; but. on the other hand. a cross made betneen two tall peas did not exhibit a tendency to any diminution in beight. Further, no perceptible difference appeared to result from reversing the parents; the influence of the pollen of each parent at the chimax of the fourth generation producing similar results. The maral of all this appears to be that in the case of seedfxity: of character can be assured until the fourth or fifth generation
Impatiens Holstir.- This fine new
gecies of balsom closely resembeles 1 . Sultani. Is of miore figoreus growth than \(f\). Sultani; the colar of the fowers is also much more iatense. They appear in groups of and measure one inch to one and one halt ioches in diameter, and might be described as a beautiful, lively, and very brilliant ver-
milion. The leaves are similar to these of I. Sultani. The plant can be employed with advantage for the embellishment of the E. A. Carrier is against the idea plants, houses whirh are unfaverante in dry, warm balsams. On the other hand, he considers a. shady fosition more suitable for them, grow more vigorously, and their fowers and Sultan has been grown in the ope. I. Sultani has been grown in the oped in Ive more satisfaction if the planters were where the sun would not shine directly upon it. In
France, I. Sultani, in a half-shady position
io the open air, flowers from June till cut down by frost. The ayerage summer in cultivators toight adopt Freach ideas for this almost certain to find its way to our shores io pots for the decoration of the greenhous

gay with plants and flowers. Efiorts have been made is this direction in certalo parts of the metropolis, Spitalflelds, Clerkenwell, Bermondsey, Battersea, etc., by organizing wiedow-garden competitions in connection with lacal flower shows. In the hope of still farther exterding this movemest, I am lic Gardens Association has decided to offer lic Gardeos Association has decided to offer show society or ather hody bana-nde fower zation it may approve williog to arrange as part of their programme for next summer outdoor window-garden competitions in poor localities in the metropolitan area. Such outdoer window gardens would include fowers and plants grawn in bould include baskets on window sills or walle facing the public streets.
Gambling in Potatoes.-The manla of potato booming has surely reached its climax in the iecident of the past week at Spalding, disirlcts heart of one of the potato-growing uber, and refused to resell it for a siogle graciously permitted another cultivator to extract a single eye for the sum of \(£ 5\). It is beyend reasonable expectation to suppose that the latest of new sorts can have a chance of loog retaining any stamina of constitution uoder such circumstances. What can be expected of these varieties when the precious plants are raised from extracted eyes, and then cut into small bits for sprouting, or reproduced from tubers, sliced into tiny fragments? However admirable may be the qualities of a new sort, they must surely succumb speedily under such unnatural conditions. To make matters worse, the potato speculation is drifting rapidly into gambling, and gambling is a near neighbor to fraud. In a catalogue which bas just reached us, a
notable grower hints pretty plainly at shady notable g
A Large Variety of Edelweiss.-To hose who are interested in the cultivation of the ordinary form of edelweiss (Leantopodium alpinum) it will be interesting to earn that a giant variety is being brought into commerce by \(T\). Smith, Daisy Hill, Newry, Ire. The bracts which serve to give the heads of this composite their conspicueus appearance, are said to be four inchea across, which must be nearly twice the slze of the ordinary one as we usually see it in this country. If it could be propagated from seeds, and remaln true, it should be a valfowers of the plant are very small, and owers ol the plase and esting part-of the plant is due to the foral sting armol the plant sue fo the horal lamed L Alpinum maximum.
Erica mediterranea Hybrida.-The parentage of this supposed hybrid was Erica Mediterranea 8 carnea. Allye same ime, may only be a good variety of E. Medierranea. The urceolate corolla is about the same length as that of the latter, and shorter than \(E\) carnea, It is of a deep The plant is usually about a foat high and is valuable because it commences flowering at the beginning of the year in advance of the others.

Rose Mamie.-Under glass this rose is a gem, every flower as perrect as Mrs. W.J. Grant. The color when forced is a lovely fresh pink, and the blassoms are very sweet. pleasing. but for form it will well hold its own. Manio would make a good rose for a pillar or to plant against a low fence or a staodard, producing long half-peddulous shoots

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Asparagus Plumosus \(\underset{\text { " }}{\text { Nanus, }} \underset{\text { 8-inch }}{\text { E-inch }}\) \(\mathbf{8 . 6 0}\)
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10,000, 81.E0; \(60,000,86.25\). Manufacturad by W. J. COWEE, BERLIN, N. Y. Sample Freo. For sale bv dealers.

MODEL EXTENSION-
Carnation Supports
Calvanized Wire Rose Stakes, Tying Wires, Single \& Double Pot Hangers.



PREPARED PALMS.
Printed Fin Palm Lesves, from 1250 per 1000. Get our catalogue. Bark, Moss, Artificial Flowers, ines, Lesves
CLARE \& SCHARRATH, 170 Madizon st., CHICAGO,

RED STANDARO POTS. Price per 1000 p . o. b. R Harrison: 2-1n., \(92.25 ; 23 /-1 \mathrm{n} ., 82.70 ; 23 / 2-1 \mathrm{n}\). t11.00: ¢-in., 818.00 . Cesb must accompeny order HARRISON POTTERY, Harrison, Ohlo.

\section*{Standard Flower Pots}

The WHILLDIN POTTERY COMPANY,
phladelphia pa.
JERSEY CITY, N. J.
LONG ISLAND CITY, N. Y

\section*{THE KELLER POTTERY COMPANY,}
manutacturers of FLORISTS' RED STAMDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc
Write for Price List. \(\quad 213-15-17-19-21-23\) Pearl St., NORRISTOWN, PA.


Kramer'spothanger
Che nostest, slmplest, most convenient and only practicsl device for converting ordinsry flower pots into bsnging beskets. Thay fit sll standard msde pnts irom The illustration in diameter. they arg sttached. Just how they ars sttached. Just the begoniss, etc. You can make room snd money by thelr use. Try them

FOR SALE BY WHOLESALE SEEDSMEN, FLORISTS AND SUPPLY DEALERS.
Price with wire chain as shown in out, 81.00 per didzen by express. Semple dozen by msil, 81.25 .
I. H. Kramer \& Son, Codisionemate. Please mention the A merican Florist when writing

\section*{STANDARD FLOWER POTS!}

\section*{Packed in small crates, 8 s.jy to handle.} Price per crste \(\quad\) Price per orato 1500 t-In., In crate, 84.88 120 7-in., in orate, 84.20
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Sead pans ame price es pots. Send for price sead pans, name price ss pots, send ist of Cylinders for Ten per cent oft for cesh with Lewn 8888, etc. Ten per cent off for canh with
HILFINGER BROS. POTTERY, Fort Edward, N. Y Or Auguet Roleer \& Sons, New York Agents, 31 Barclay Strset. New Yorl City.
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GEO, KELLER \& SON, MANUFAOTURERS OF FLOWER POTS.
Before buylng write for pricen. 361-363 Herndon Sireot near Wrightwood Ave.

CHICACO. ILL
Please mention the American Florist zehen writing.


\section*{FOUND!}

A place where new and old material for the complete erection or repairing of

\section*{GREENHOUSES}
can be procured in

\section*{Exchange forCash}

Economical florists get our prices on Glass, Boilers, Ventilating Apparatus, Fittings, Pipe White Lead, Paint, Putty, Hot Bed Sash, Etc. old Greenhouses bought.

\section*{M ETROPOLITAN aterial co.}

1398-1408 Metropolitan Avenue, 8R00KLYN. N. Y. References: Dunn. Bradstreet, and Broadway Bank of Brooklyn.


Our Advertising Columns Do Business American Florist Co.:-Please discontinue my advertisement. I have gotten more customers than I can supply since advertising in your paper. John Wolf.

\section*{Sun Cured CYPRESS}

\section*{Greenhouse} Material

\section*{-ALSOHOT=BED SASH.}

Tennessee Red Cedar Posts. Pecky Cypress bench lumber.
FOLEY Ventilating Apparatus. Galvanized vent sash hinges, screw eyes, screwhooks, U bolts, Galvanized turnbuckles and wire.
FITTINGS for Purlin and Ridge Supports.
Free Illustrated Catalogue.

\section*{Foley Mfg. Co.}

471 W. 22nd St., CHICAGO.

Always

\section*{Material From The World's Fair,}

\section*{WE OWN THE FIFTY MILLION DOLLAR} LOUISIANA PURCHASE EXPOSITION......

Here is a chance for Florists to purchase Thousands of Dollars worth of Valuable Material at extremely low prices. Such an opportunity only comes once. You must take advantage of it.

Three Complete Greenhouses.
Complete with all appurtenances, including the Flowers, Plants and Shrubs. Each house is \(22 \times 300\) feet. They have Patent Ventilators, extra thick sash and regular style hothouse sash, size \(3 \times 6\) feet. We will sell these Greenhouses either complete or in parts. They include complete heating systems. Over 50,000 Plants are in these Houses. A complete list of them with our extremely low prices mailed on application.

HOT-HOUSE SASH.
5,000 Standard Hot-bed Sash, \(3 \times 6\) feet, heavy rail, in fine condition.

PIPE.
\(10,000,000\) feet of pipe for every purpose. Standard black wrought iron, sizes 3/s to 12 -inch.
Extra heavy black wrought iron, sizes 2 to 36-inch.

\section*{BOILER TUBES.}

10,000 feet second-hand Boiler Tubes, in good condition, square ends, \(3,31 / 2\) and 4 -inch. Will make low prices on carload order.
\(100,000,000\) FEET OF LUMBER.
Send us your Lumber Bill for our esti. mate. We can furnish you anything in the line. Studding, Joists and Timbers. Mixed 2 inch Planking, dressed and matched fooring. Timbers in sizes \(4 \times 4\), \(4 \times 6,6 \times 6,6 \times 8,8 \times 8,10 \times 10,10 \times 12,12 \times 12\), \(14 \times 14\) and in lengths from 8 to 80 feet. Interior finishing material.

SASH AND DOORS.
Thousands of Sash and Doors for quick delivery. Can furnish all sizes. Write for our Sash and Door List.

\section*{RUBBER HOSE.}

60,000 feet of Rubber Hose in sizes from \({ }^{3}\) to \(21 / 2\) inch. We are making very low prices on large quantities.

ROOFING GLASS.
1,000,000 feet of \(1 / 4\) and 3 is.inch thick roofing glass, good as new.
\(1,000,000\) feet of heavy wire netting used under this glass, No. 14 gauge. LAWN ROLLERS.
25 Rollers, two sections, each \(10 \times 20\) inches, counterbalanced handles.

ROAD SCRAPERS.
12-No. 2 American Wheel Scrapers. 25-No. 2 Western Wheel Scrapers. 35-No. \(21 / 2\) Western Wheel Scrapers. 12-No. 1 Western Drag Scrapers. 12-No. 2 Western Drag Scrapers. 20-Western Railroad Plows.
CONTRACTORS' SUPPLIES.
4,000 Steel Shovels. 500 Wheelbarrows. 500 Steel Picks. 600 Mattocks , Lanterns, Axes, etc. 1,000-ton Bolts, Rods, Lag Screws, Turnbuckles and Washers. 150 Track and Lever Jacks.
Thousands of other items of every kind and descrip-
tion. Furniture, Office Fixtures. Electrical Apparatug. etc., etc. Ask for our World's Fair Catalogue No. 47.
CHICAGO HOUSE WRECKING CO.
Wost 35th and Iron \$ts., CHICAGO.
or WORLD'S FAIR GROUNDS, ST. LOUIS, MO.

\section*{The Allied Trades}

\section*{Descriptive particulars-with drawings o photographs, if possible-of any new appa-
ratus or device which may prove helpful to the trade are solicited for this department.}

There is no indication that the price of glass will be lower in the immediate future.

For Greenhouse Painters.
A device for holding paint cans on sloping roofs has been patented recently, says the Glassworker. It consists of a metal band to one side of which are attaehed two pointed legs which extend a sufficient distance below the bottom of the ean to reach the lower part of the roof slope, allowing the can to stand in a perfectly level manner.

\section*{Concrete.}

Concrete is finding an important new application as a setting for posts, both wood and iron, says a contemporary. When the wooden post is treated with tar and the hole around it is filled with well tamper concrete, a cheap and practicable, indestructible foundation is secured; and similar bedding gives to iron posts the stability hitherto lacking. The concrete protects the iron from rust as it does the wood from rot.

Greenhouse Building.
Amesbury, Mass. - George E. Tessimond, rebuilding two houses, one \(20 \times 56\) feet and one \(8 \times 56\) feet.

De Haven, Pa.-A. T. Lorch \& Company will add 20,000 square feet of glass this season.
Dayton, O.-Miami Floral Company, three houses, \(34 \times 160\) feet and one house \(28 \times 165\) feet.
Chicago-George Wittbold Company, two houses, each 300 feet long, at Edgebrook.

Manchester, Ia.-C. L. Adams, one house, to be erected in June.

Fairmont, W. Va. - H. Glenn Fleming, one new house.

Toledo, Ohio.-Davis \& Magce will rebuild entire range.
Wichita, Kan.-Chas. P. Mueller, three houses.

\section*{Worcester, Mass.}

The annual spring exhibition of the Woreester County Horticultural Soeiety held on Mareh 1 was a suecess in every way, and many exhibits of extra fine quality were shown. George MeVilliams, gardener for G. Marsten Whitin, had a fine display of orehids, ineluding calanthes, dendrobiums, and cypripediums. Col. Pfaff, of South Franingham, showed extra fine violets. H. F. A. Lange had a splendid display of carnations, azaleas, hyacinths, roses and violets, and M. J. Whittall exhibited well grown eyelamen, primulas and cinerarias.
Trade in general is fairly satisfactory anl good stock, with the exception of red roses, is plentiful. Nearly all the growers are planning for new bons's this spring.
H. is. Jittlefield has opened a branch store in the Protective Union grocery.

\section*{Sprague Smith Company, mogers inn on dindow GLASS.} Greenhouse Glass a specialtr. 205 Randolph Street, CHICAGO.

\title{
The James H. Rice Co. GREENHOUSE GLASS
}

\section*{A SPECIALTY.}

WVinciow Gleas, Paint, Putty, eto. 80-82 Wabash Avenue and 34 to 40 South Water Street, CHICAGO.


A sample of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

\section*{GLASS.}

GOOD BRANDS. QUICK SHIPMENTS. LARGE STOOK.

Warehouse on railroad switch. Be sure and get our prices.
Sharp, Partridge \& Co.
22nd SL and Union Place, CHICAGO.

\section*{GULF OYPRESS GREENHOUSE} MATERIAL
HOT-BED SASH, BOILERS, PIPES, FITTINGS, VENTILATING APPARATUS.
GLASS AT WHOLESALE.
We furnish everything for building. Send for prices and catalogues.
 Please mention the A mcrican Ftor ist zhenen wuriting.

\section*{H. M. HOOKER CO,}

WIndow Glass, Palnts and Putty. Greenhouse Glass a Specialty.
59 W. Randolph Si., CHICACO.


Please mention the A mer ican Florist when writing.
STENZEL GLASSCCO., GREENHOUSE GLASS::
French and American "WHITE!ROSE" Brand.
101 Portland St. NEW YORK. BOSTON.
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EVANS' IMPROVED CHALIENGE VENTILATING APPARATUS
QUAKFA C/TY MACH/WIF WOXKS

Throes in ell Eras. Co.
Greenhouse Boilers,


OTAETYLOWS
Prices will We higher later am Glace your arden nawnand lave money. Will ship Bailer when wanted i yarns de nut pray metic Bailer in sinippicl Write gar information and prices


The Standard

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The original machine with well-
olling cups. The most powerful.
least complicated, very compact
with ease of operation.
The New Duplex Gutter
$\qquad$
The Standard Return Steam Trap
It has no equals for simplicity or Ital
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Advertisers Everywhere Get Results.
Aht. Florist Co.:-Practically all the replies I get from western trade advertising refer to the Amierican Fiorist. John Deamud.


Do the adertiser a favor by saying you saw his adv. in the American Florist.

# Steam Traps $\underset{\text { coal }}{\text { SAVE }}$ 

## This is the Return Steam Trap used by the

Use our Patent IRON BENCH FITTINGS and Root Supports.

## Improved Vaporizing Pans VENTILATINE <br> DILLER, CASKEY \& CO, APPARATUS.

## GURNEY MEATERS

FOR HEATING ANY DESCRIPTION OF BUILDING BY STEAM OR HOT WATER GURINEY MISARE
OFFICE IIFIFTH AVE:

## Eureka Greenhouses....

THE BEST AND LOWEST IN PRICE, All houses erected at the factory and photographs and plain directions so that any person can put them up.
DILLON GREENHOUSE MFG., CO., Bloomsburg, Pa.

# Ready Reference Advertising. <br> ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. 

 COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEARPlants, Cuttings, Nursery Stock.

Abutilons-4 varieties, $21 / 2$ in., 3 c .
Byer Bros., Chambersburg. Pa.
Ageratams-Ageratum, rooted cutings, Gurney, Pauline 50 c per 100 Bros., Chambersburs, Pa
Ageratums-Ageratum, Princess Paulne and Stella Gurney,

Frank A. Pierson, Cromwell, Conn.
Ageratums-4 varieties, 60 c per 100; S. $1,000$.

Brant, Clay Center, Kan.
Alternantheras-Alternantheras, red and yellow, March 1, $\$ 2$.
Jas. H.' Cunningham, Delaware, O.
Alternantheras-Rooted cuttings and plants.

Ludvig Mosbaek, Onarga, Ill.
Alternantheras- 100,000 alternantheras, strong ronted. Brilliantissima 75 c per 100 , $\$ 6$ per 1,000 , A. Nana, 50 c per $\$ 4$ per 1,000. Special prices on 5,000 or more.

Davis Eros.. Morrison, Ill.
Alyssum-Giant Alyssum, $\$ 1$ per 100; per 1,000
S. D. Brant, Clay Center, Kan

Ampelopsis-Amp

## Asparagus plumosus - Aspariggus

 plumasus. 4-1n., sprengeri, 8 -in., 750 per doz. All strong plants.Goshen. Ind
Asparagus- 50,000 Spiengeri, 50,000 Plumosus and Robustus, ready June 1. Send for prices. Herr, Lancaster, Pa
Asparagus-Asparagus plumosus, 3-in. sprenger 21 in pots 22 per 100 John Brod, Niles Center, IIl.
Asparagus-Asparagus plumosus nanus, 2-in., $\$ 2.50$ per $100 ; 3-\mathrm{in} ., \$ 5$ per $00 ;$ A. Sprengeri, $2-i n .$, \$ 2 per 100.
Sherman Nursery Co., Charles City
$y, I a$. d 3 plumosus - Asparagus geri, 2 and 3 -in., $\$ 3$ to $\$ 5$ per 100 .

Geo. M. Emmans, Newton, N. J.
Asparagius-Asparagus plumosus na-
L. H. Foster, 45 King St., Dorchester, Mass.
Asparagus-Asparagus plumosus nanus, extra heavy, 3-in., 4c. Asparagus Byer Bros. Chambersbir

Asparagus-Asparagus plumosus nanus and $A$. Sprengeri
n. pots, $\$ 1$ per doz., $\$ 8$ per 100.

Phiarleria, Pa.
5c, \$1. $81.25 ; 1,500$ Madame Van der
Godfrres Asrhmann, 1012 Ontario St. Flillall+1phiar.
Azalea- Jzalpa mollis, 12-15-in., \$30


Cactus-Cactus
Ingeborg
Egeland,
Eading
scarlet. $\$ 3$
per doz. 20 per 100 . eading scarlet. $\$ 3$ per doz., $\$ 20$ per 100 . Canna-Cannas, in 20 best varieties. - W. W. Coles, Kokomo. Ind.

Cactus-All varieties cactus, from ricorse $\mathbb{E}$ M. J. Hocliderffer, Flagstaff, Ariz.
Carnation-Wm. Penn, a promising novelty, at $\$ 10$ per 100,25 for $\$ 2.50$; Queen Louise at $\$ 10$ per 1,000 : Florlana tings from sand ready March 20 . Send for Narch price list. March 20. Send Albert M. Herr, Lancaster, Pa.

Carnation-Rooted carnation cuttings: White Lawson, $\$ 6$ per $100, \$ 50$ per 1,000; Flamingo, $\$ 6$ per 100 , $\$ 50$ per 1,000; Enchantress, $\$ 3$ per 100, $\$ 25$ per 1,000; The Queen, $\$ 2.50$ per 100, $\$ 20$ per 1,00

Larchmont Nurseries, Larchmont,

Carnation-Crisis (new), $\$ 12$ per 100; Mrs. Patten, \$6 per 100; Judge Hinsdale, $\$ 4$ per 100; Lady Bountiful; mingo, \$6 per 100; Dorothy Whitney, $\$ 3$ per 100; Golden Beauty, $\$ 3$ per 100 ; Prosperity, $\$ 2$ per 100 ; Mrs. J. H. Manley, $\$ 2.50$ per $100 ; \mathrm{Wm}$. Scott, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 ; Floriana, $\$ 1.25$ per 100 , \$10 per 1,000; 'Lorna, \$1.25 per 100 , $\$ 10$ per 1,000 ; Eldorado, $\$ 1.25$ per 100 $\$ 10$ per 1,000; Mrs. Joost, $\$ 1.25$ per 100 $\$ 10$ per 1,000; Enchantress, $\$ 3$ per 100 , $\$ 25$ per 1,000; White Cloud, $\$ 1.50$ per 100, $\$ 12$ per 1,000; Flora Hill, $\$ 1.25$ per 100; $\$ 10$ per 1,000; Mrs. Iawson, $\$ 2$ per 100, $\$ 15$ per 1,000: Adonis, $\$ 2.50$ per 100 , $\$ 20$ per 1,000 ; Harry Fenn, $\$ 2$ per 100 , $\$ 15$ per 1,000; Gov. Roosevelt, \$1.50 per 100 , $\$ 12$ per 1,$000 ; \mathrm{Mrs}$. P. Palmer, $\$ 1.25$ per 100, $\$ 10$ per 1,000; The Queen, $\$ 2.50$ per 100, $\$ 20$ per 1.000; Mrs. E. A. Nelson $\$ 1.50$ per 100 , $\$ 12$ per 1,000 ; Portia, $\$ 1.25$ per 100 , $\$ 10$ per 1,000; Queen Louise, $\$ 1.25$ per 100, $\$ 10$ per 1,000 ; Dorotly $\$ 1.25$ per $100, \$ 10$ per $1,000$.
J. L. Dillon. Bloomsburg, Pa

Carnation-Carnation Bride, $\$ 6$
$100 ; \$ 50$ per 1,000 ; Phyllis, $\$ 12$ per 100 $100 ; \$ 50$ per 1,000; Phyllis, $\$ 12$ per 100 $\$ 100$ per 1,000

John N. May, Summit, N. J.
Carnation-Wolcott. White Cloud, Norway, Lawson, Morning Glory, Mrs. and Estelle, $\$ 25$ per 1,000; Flamingo $\$ 50$, and Crusader, $\$ 40$ per 1,000; America and Prosperity, $\$ 12.50$ per 1,000 Gaiety, 815 ver 1.000 . All plants shipped from greenhouses, Hinsdale, 111 . Bassett \& Washburn, 76 Wabash Ave. Chicago, 111.
Carnation-liooted cuttings, ready now. Write for price list.

Dorner \& Sons Co., La Fayette, Ind
Carnation-Fred Burki. All orders are for March delivery.
John Murchie. Sharon,
Carnation-Rooted cuttings. Chicago, $\$ 10$ per 100, $\$ 120$ per 1,000; Boston Mar ket, $\$ 2.50$ per 100 , $\$ 20$ per 1,000 ; Belle, \$5 per 100, $\$ 45$ per 1,000; Flora Hill, \$1 per $100, \$ 9$ per 1,000; Queen Louise, $\$$ $\$ 9$ per 1,000. Richmond Gems, $\$ 10$ per 100, $\$ 75$ per 1,000; Crusader, $\$ 5$ per 100 $\$ 45^{\circ}$ per 1,000 ; Adónis, $\$ 2.50$ per 100 , $\$ 20$ per 1,000; Estelle, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000; Indianapolis, $\$ 5$ per 100 , $\$ 45$ per 1,000. Phyllis, \$10 per 100 , $\$ 120$ per 1,000. Morning Giory, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000 ; Mrs. Joost, \$1 per 100, $\$ 9$ per 1,000; Mrs. Higinbotham, \$1 per $100, \$ 9$ per 1,000; Guardian Angel $\$ 1$ per 100 , $\$ 9$ per 1,000 ; Nelson, $\$ 1.50$ per $100, \$ 11.50$ per 1,000; Enchantress $\$ 3$ per $100, \$ 25$ per 1,000; Lawson, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 .

Peter Reinberg, 51 Wabash Ave., Chicago, Ill.
Carnation-Rooted cuttings. Crusader $\$ 5$ per 100, $\$ 45$ per 1.000; Flamingo. $\$ 5.50$ per 100. $\$ 45$ per 1.000; Estelle, $\$ 1.50$ per $100, \$ 25$ per 1,000 ; Enchantress, $\$ 0$ per per 100, $\$ 55$ per 1,000 ; Mrs. Nelson, $\$ 1.50$ per 100, W12.50 per 1,000; Mrs. Lawson $\$ 1.50$ per 100 , $\$ 12.50$ per 1.000 ; Guardian Angel, $\$ 1$ per 100, $\$ 9$ per 1.000; Genevieve Lord, $\$ 1.25$ per $100, \$ 10$ per 1,000 Mrs. Joost, $\$ 1.25$ per 100, \$10 per 1,000 Boston Market. $\$ 2.50$ per 100, $\$ 20^{\text {p }}$ per 1,000; Peru. $\$ 1$ per 100 , $\$ 9$ per 1,000 ; White Clond, $\$ 1.25$ per $100, \$ 10$ per 1.000; Queen Louise, $\$ 1$ per 100, $\$ 9$ per 1.000 ; Flora Hill, $\$ 1$ per 100 . $\$ 9$ per
1.000 Mrs. Higinbotiam, $\$ 1$ per $100, \$ 9$ per 1,000.

Geo. Reinberg, 51 Wabash Ave., Chicago, 111.

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Eoses-Roses of all kinds.
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Roses-Roses, rooted cuttings: Chat enay, $\$ 2.50$ per 100 , $\$ 20$ per 1,000 ; Unele John, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Brddes mald, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 ; Bride, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 : Ivory, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 Perle, $\$ 1.50$ per 100 , $\$ 12.60$ per 1,000 Roses, $21 \%-1 \mathrm{n}$. pot plants: Richmond, $\$ 30$ per $100, \$ 250$ per 1,000; Rosalind Orr Enzlish, \$25 per $100, \$ 200$ per 1,000 ; Chatenay, $\$ 4$ per 100 , $\$ 30$ per 1,000 ; Sunrise, $\$ 4$ per 100, $\$ 30$ per 1,000; Perle von Godesberg, $\$ 5$ per $100, \$ 40$ per 1,000 Liberty, $\$ 5$ per 100 , $\$ 45$ per 1,000 : La Detrolt, $\$ 6$ per $100, \$ 50$ per 1,000 ; Uncle John, $\$ 4$ per 100, $\$ 35$ per 1,000; Kalserin $\$ 4$ per $100, \$ 30$ per 1,000 ; Brldesmaid $\$ 3$ per 100 , $\$ 25$ per 1,000; Bride, $\$ 3$ Der $100, \$ 25$ per 1,000 ; Ivory, $\$ 3$ per $100, \$ 25$ per 1,000 ; Perie, $\$ 3$ per 100 , $\$ 25$ per 1,000

Peter Reinberg, 51 Wabash Ave., Caicago.
Roses - Rooted cuttings, American Beauty, $\$ 3$ per 100; $\$ 25$ per 1,000 ; Liberty, $\$ 3$ per $100, \$ 25.20$ per 1,000 ; Bridesmaid, $\$ 1.60$ per $100, \$ 12.50$ per 1,000 ; Briae, $\$ 1.50$ per 100 . $\$ 12.50$ per 1,00 1,000; Ivory, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 ;
1,000 .
George Reinberg, 51 Wabash Ave. Chicago.
Roses- 60,000 grafted roses for forcng. Dellvery April, May, June. Liberty, rose pots, $\$ 2$ per 100; $31 / 2-$ in pots, $\$ 18$ per 100 ; Brides, Bridesmaids, Golden Gate, Kaiserin rose pots, $\$ 10$ per 100; $31 / 2$-in. pots, $\$ 15$ per 100.

> J. L. Dillon, Bloomsburg, Pa

Roses-Roses, $21 / 4$-in. pots, $\$ 2.60$ per 100; Universal Favorite, Evergxeen Gem, Bessie Brown, Manda's Triumph, So. Orange Perfection, White Memorial, YelMme. de Watteville, Francisca Krueger, Mary Washington, Champlon of the World, Emile Gonin, Frances E. Willard, Bridesmaid, Bride, Halloween. Strong semi-dormant plants, splendid for spring sales or for planting.

Iowa Seed Co., Des Molnes, Ia.
Eoses-Spring sales, Crimson Rambler, 2 -year-old, $\$ 2$ per doz., $\$ 15$ per 100 ; 3-year-old, $\$ 2.50$ per doz., $\$ 18$ per 100 ; Dorothy Perkins, "year-old, $\$ 3.50$ per doz., $\$ 20$ per $100 ;$ Gruss and Teplitz,
2 -year-old,
$\$ 2$ Maman Cochet, 2 -year-old, $\$ 2$ per doz., $\$ 15$ per 100: Hermasa, 2-year-old, \$2.25 per doz., $\$ 15$ per 100; Clothilde Loupert. $\$ 1.50$ per doz, $\$ 10$ per 100: A. Beauty, toria, $\$ 2.50$ per doz., $\$ 20$ per 100 : P . Neyron, $\$ 2.50$ per doz., $\$ 20$ per 100 La France, $\$ 2$ per doz., $\$ 15$ per 100, and many other varieties.

New York.
Hoses-Roses, $2^{1,1}$-in.i. pots, strong plants. Maid, Bride, White and Pink Cochet, $\$ 2.50$ per 100, $\$ 20$ per 1,000 . American Beanties, $21-\mathrm{in}$. pots, $\$ 5$ per
$100 ; \$ 40$ per 1,$000 ; 3$-in. pot plants, $\$ 6$ $100 ; \$ 40$ per 1,000;3-1
per 100. $\$ 50$ per 1,000 .

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Roses-Hardy roses.
Ellwanger \& Barry, Rochester, N. I
Roses-Easter stock. Baby Rambler year-old, fiejd grown, for 4 -in. pots, $\$ 5$

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Roses-Now is the time to place your orders and insure getting good stock for planting.

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Rudbeckia-Golden Gion: t-111 pots,
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Salvias-6 varieties, $\$ 1$ per 100, $\$ 8$ per $\$ 1,000$
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salvas-Bontire and St. Louis, \$1 per 100, $\$ 8$ per 1,000

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Spiræa-spirita compacta horibunda, Jalmica and Glanktone ${ }^{\text {Godine }}$ Aschmann, Ontario St. Philanelphia.
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month, at S p. m. William Legg, Secretary, 1440 Delaware avenue, Buffalo.
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Chicago, lll.-Chicago Florists" Club, Handel Hall, to Randolph street. Second and fourth Thursday of each month, at 8
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Cleyeland. O.-Cleveland Florists' Club. progress Hall, 24t Detroit street. Second and fourth Monday of each month, at $7: 30$ p. ni. lsaac Kennedy. Secretary, West Park,

Dafenport. Ia- Tri-City Florists' Club, meets in Davenport. Rock Island and Moline, alternately, second Thursday of each month. II. Meyer, Rock Island, ill., Secretary.

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Woodward avenue.
Grand Rapms, Mch.-Grand Rapids Florists' Club, Board of Trade rooms. Pearl street. Fourth Monday of earh month.
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street, Hartford.
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at $7: 30$ p. m. Fred lluckriede, Secretary, at 7:30 p. m
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ave. H. V. Hunkel, Secretary, 462 Milwaukee street.

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street, Providence. Seeond Thurstay of each month, at S p.m. Wan, E. Chappell, Sec retary, 333 Branch avenue, Providence

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Odd Fellows Hall No. 2, Ninth and Olive odreets. Second Thursday of each month, at p. m. Emil Schray, Secretary, 4101 Cennsylvania averue, St. Louis
Seatrle, Wash.-Seattle Commercial Horticultural Club, First and Cberry streets At call of the president. William Hopkins, Serretary, Fifth and Galer streets.
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Washington, D. C.- Washington Florists' Club, Schmidt's hall, 516 Ninth street, $N$ Peter Misset first Tuesday in each month.
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Cbrysanthemum Specialis
The Gardeners' Chroniole, page 32, January I4, 1905, states, Vine Mildew: W. A correspondent who at onr request made trial of Camphell's Patent Vaporrecommends its use in glass houses in whiob Grape Vines, Peaches, Cucumbers, Roses, Chrysanthemums and similar plsats are grown. The principle consists in beating the sulphur in a vessel having a funnetshaped ontlet. the tube of which is looseyy olosed by a pyritorm bollow glass ball, which rises or falls stcording to the pressure of the hot suphur vapor
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THE AMERICAN CARNATION SOCIETY.
Annual convention at Boston, 1906. Albert M. Herr, Lancaster, Pa., secretary.

## AMERICAN ROSE SOCIETY.

Annual meeting and eshibition, Boston, Mass. March 23-26, 1905. Wm. J. Stewart, II Hamilton Place, Boston, Mass., secretary.

## AMERICAN PEONY SOCIETY

## Exhibition at Chicagoabout June 15. Srtitil H. Fewees, Newton lighliands, Miass, secretary

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Minneapolis
Detroit.......

## THE ROSE.

The New and Promising Varieties.
 its, Natich

In response to the invitation of the chairman of the committee having charge of the evening's programme, to give a "short" talk upon the new and promising roses, I think the palished diplomacy of the gentleman over. eame my better judgment, for I know of no particular act of my life that justifies the henor thus pail me. Your club has ever been in the front rank in furthering the popularity of the rose, while the fane of your growers is worla wide. For a slow town like Philadelphia sending safely to England's Queen, as oue of your growers did, a bunch of that beautiful rose of Philadelphia origin, Queen of Edgely, savored of a pace rather lifficult to overtake. Then, too, while the arigin of the ever popular American Beauty (or as has been elaimed Mlle. Ferdinand Jamin), is somewhat abscure, yet it first attained prominence as a commercial variety through the foresight of a Philadelphia grower. Even that much discussed variety that torday for amateur cultivation is perhaps the leading rose of its colar, achieved notoriety through one of sour local growers. Thongh gallantry was at stake as to whether it should be named for the Biskop or the Lady, the Bishop won. I refer to Balduin Heleu Gould. 1 night mention a host of now famous varieties, such as Wm. Francis Bennet, Souvenir de Woatton, Golden Gate, Princess Bonnie, Pink Soupert, Mariou Dingee and many others whose rise to fame and popularity came threngh the intelligent efforts of growers of Pbiladelphia and its environs. With these facts in mind I approach this subject with considerable apprehension.

I am conspious of the fact that in the brief limitations of this paper it will be impossible to eover the subject completely and accurately. I shall therefore give you my observations as they have occurred to me in the daily coutact with over a thousand different varieties of roses, coming, as they bave, from all parts of the world. I shall speak only of roses now in commerce, and while some raricties may be mentioned that are not eutirely new so far
as recent origin is concerned, yet it is to be borne in mind that there are a great many roses "born to blush unseen and waste their sweetness on the desert air;' many for years remained unnoticed with their latent beauty undeveloped, until through sheer foree of worth they rose to fame and glory. We have notable instances of this fact in Golden Gate, and more lately that Irish beauty, Killarney. I shall also give equal prominence to varieties that are undouledly valuable, not only for forcing purnoses, but those varieties appealing to amateur growers, whose ranks are constantly increasing. Of this class, for whom I feel better fitted to speak than from a strictly professional standpoint, I can say that it is a gratifying indication of the rapidly increasing love for the queen of flowers, that the average amateur enthusiastand there are thousanis of them in all sections of the land-is keenly alert to the improvenents of the rose, and not infrequently have a knowletge of varieties as aceurate as that of the profes. sional grower. This growing interest of the masses bodes well for the future of the rose, and shoulel prove a stimulus to American bybridizers, who may feel assured if their ereations have merit that the rose lowing public will be quick to give them deserving recog. nition.
It seems fitting that $I$ recommend at the outset that sensational new rose Mne. Norbert Levavasseur, or Baby Ranmber. This vivacious French debutante is the rose that blooms every day in the year. Growing in its full vigor twenty inches high, with finely polished dark green foliage. with whicls it is abundantly supplied, it forms a compact bush, which with ordinary care is a mass of shining crimson beanty. For "very purpose from the florists" stand point it possesses the highest value, anm for the amateur it is equally valuable. It is indeed a perpetual hloming dwarf 'rimson Rambler. In the Rambler class may he also mentionel a variety that lloes not scem to gain the recognition it heserves as a rose of splentiol worthDorothy Perkins. It is a true Rambler, particularly valuable for Christmas work, and equally as valuable in the glen gromul; thoronghly hardx, bearing in large elustera heautiful clear, shell fink flowers, of exerllent substance. Philadelphia Rambler, a recent introduetion, bears out all that is claimed for
ment orer the old reliable Crimson Ramblur.

One of the most midque and valuable of the newer roses is soleil d'Or, the first of a new race, a cross between Persian Yillow and Antoine Ducher. It forms a strong, sturily bush, very robust iu habit, with foliage that enits the true Swectbriar fragrance. The flowers are sunset yellow or reddish gold, and are highly fragrant; hardy everywhere; splendid for single specimens or for hedges. In this same class of hardy roses of the Rugosa and Sweetbriar type may be mentioned Sir Thomas Lipton, a Rngosa rose. The flowers are large, very double, pure white and fragrant. It is freer blooming than any other Rugosa, and will prove a splendid variety for bedging purposes. From Germany comes another great new hardy rose, Frau Karl Druschki. The flowers are almost as large as American Beanty, deliciously fragrant, full, deep and double. This variety may be ealled a free blooming Hybrid Perpetual, being a cross between Merveille de Lyon and Mad. Caroline Testout. The color is snowwhite. Apart from Margaret Dickson we do not have a really great white rose in this elass, and this variety may be consilered one of the best, if not the best hardy hybrid perpetual rose of its color.

Among the newer hybrid teas of prominence and merit we have Bessie Brown, a really wondertul rose, wifin large, double, deep flowers, borne on etrong, erect stems, after the style of President Carnot, which it resembles in growth and somewhat in flower, but is distinct enough to deserve a place at the head of the list. We hear but litthe of the rose that bears the honored name of Admiral Schley, which as a pot plant possesses rare value. The calor is rich, glowing, velvety crimson. The flowers have unusnal substance, a valuable point, are delightfully fragrant and borne in great abundance. A clean, healthy, dwarf grower, with splenilif foliage. Since Killarney has become recognized as a rose of more than ordinary merit, such roses as Mad. Jules Grolez, its counterpart in color and almost equal in flower, remains unnoticed. A splendid grower, and with proper management should prove a strang competitor of Killarney. The list is incomplete mithout Lady Joy, a cross hetween American Beaty and Belle siebrecht, a royal parentage; flowers large, eup shaped, almost double, with enormous shell-like petals of good substance, highly fragrant; the color is new-lively crimson. Mrs. Robert Garrett is of the same type, but not as free lhooming; immense, lright clear pink flowers. We cannot omit Wianie Davis, one of the fairest of the newer hylbrill tea rases. Very tree hlooming, of gool hablit of growth, with im. monse, long, leavy limets, splendidy formed, developing into unusually large flowers. Color bright apricot-pink, shaling flesh tint at the hase of petals.

Right here I wish to compliment our American rase growers noth the splendid results achioved in prolucing new roses of merit. Fully conscions of what our hrothers arross the sea have dome for the rone, for whinh we are indebted to them, I would say naught agranst the magniternt work they hawe done, and are duing. loblike mir Ameriman growors, henwerer, who hasitate to offer a
rose mmless it he of pronounced merit, from my own personal expericne each year himdreds of rarictics are proTuced in Europe, many of which have little or no merit to commend them. I know of nothing that is so fraught with pleasure, as well as disappointment, as the trying out of new roses, and it has been the practice of our company up until recent years to try out the new roses of Europe as they have been introduced, and I can say that the large majority of these new varieties of foreign origin have been disappointing. Therefore our American growers are to be not ouly congratulated, but also commended upon the work that they are doing, and the precaution shown in introducing any and every seedling they origimate.
I need not eall attention to Mr. Hill's splendid new rose Richmond. It has spoken for itself, and as a candidate


Cattleya Trianæ, var. Backhousiana.
for popular favor in the class of red foreing roses it scems to be a decided improvement over any we have at this time. Fosalind Orr English is another promising hybrid tea. Mr. John Cook, to whom we doft our hats as one of the veteran introducers of meritorious new roses, contributes Cardinal, a beautiful crimson hybrid tea, and Enchanter, an extremely free blooming variety with large, clear, bright pink flowers. Mr. Cook selects this varicty as the best of over five hindred seedlings. Let me remomend Souvenir the lierre Notting as one of the best roses for all around furpeses introduced in many years. It wil! take front rank, if not surpass from every standpoint, white and pink Maman Cochet, the best roses for summer flowering in the open ground. This new variety is a splendil grower, throwing ui beautiful flowers on long, stiff, crent stems. The blom is large and donble, opens rasily and possesses unnsual sulstance. Difacult to describe, aprient-yellow, tingel with golden, mixed with oramge yellow, while the entes of the pedats are shated earmine. Barer lhaid whon has a font of gromel for summer rases shonla have this rose.

Man. Derepas-Matrat has established itself as a companion to the Cochet roses, which it resembles in every particular, except the color is deep yellow.
The following varieties are also among the most promising of the newer sorts: Canadian Queen is an improvement over Mrs. J. Pierpont Morgan, Mad. Cusin and Mrs. Oliver Ames, the latter of which it resembles in color; General MaeArthur, a vivid crimson hybrid tea; Red Chatenay, deeper in color than the parent; Uncle John, more pronounced in color than Golden Gate; Beauty of Rosemawr, rich carmine red, valuable for ontdoor purposes; La Detroit, distinct and valuable, shell pink, good for forciug; Saxonia, worth trying as an improvement over Golden Gate; Mrs. B. R. Cant, unusually valuable for amateur cultivation, better than Papa Gontier; Aurora, an improvement over Hermosa; Franz Deegen, an immense, deep, double yellow rose, alike in habit and growth with Kaiserin Augusta Victoria, and far superior to Perle von Godesberg, sent out as Yellow Kaiserin; Florence Pemberton, a strong growing hybrid tea, large shell pink flowers, good for open ground work. Maddalena Sealarandis will rank with the Cochet roses outdoors; color rich, dark pink, on yellow ground. Ideal ranks with Bridesmaid and La France, pink in color.
As an example of an exceedingly rare rose I mention the variety York and Lancaster, which dates back to the War of Roses between the royal houses of York and Laneaster, said to have originated when these warring factions became united, its colors representing the white of the Yorkists and the red of the Lancastrians, the flower being a combination of red and white, blotched and striped. Magnafrano is a free blooming hybrid tea, with large, double pink flowers. Wellesley is a remarkably free flowering foreing variety. The color is bright pink; a good keeper.
For greenhouse men doing a local trade there is always a demand for a harly ever-blooming climbing rose. To meet this demand there is no better variety than climbing Clothilde Soupert.
The list of the newer and promising varieties could be extended to considerable length, but I feel that I have already encroached too far upon the paticnce of you gentlemen, and in thanking you for your kind attention I wish to express the hope that I may have said something of value to growers, as well as helped deserving roses to great popularity.
P. J. Linch.

## Cattleya Trianæ Backhousiana.

We reproduce herewith a good photograph of Cattleya Triauæ, var. Backhousiana which is at present in bloom in the orehid collection of E. G. Uihlein, Chicago. This is not only a very handsome variety but also very rare. The flowers are well shaped; sepals and petals blush pink, flaked at the tips with bright magenta; lip round with a large bloteb of deep purple; throat intense yellow. While the ordimary Cattleya Tiriana can be purchased at $\$ 2$ to $\$ 5$ for good pleces, Mr. Uihlein has declined an offer of $\$ 250$ for this plant from one of the largest orchid ilealers in England. It is certainly a gem.


CRATAGUS ELLWANGERIANA.
Ther mallet Han.)

## Desirable American Hawthorns.

## PART I.

Apropos of our motes in the American Florist of febmary 11, ou the recent discovery of so may new American hawthorns, the guestion may be raised how they are to be ohtaine. by any persons who should want to plant them? In the neantime so far as we know the Arnold Arboretum is the only place where the new species of cratagus are being systematically propagated, anel we believe that I'rofessor Sargent is distributing them as soon as they are available, to other arboreta, and some of the most progressive and influential nurseries throughout the wordd. We notice that in the latest catalogue of the Lemoines, of Naney, France, they have twenty of the new species of cratrgus listen. In the catalogue of the Vilmorin Fruiticetun, of France, recontly issued, there are one hundred and fifty of the new Ameri can cratrous included. 'The indications are that before long, many of the best new ornamental hawthorns will be offered by the leading nurserymen of the world.

We will give brief descriptions of some of the most desirable hawthorns of which we have personal knowledge. Cratægus Ellwangeriana, Sargent, a species that belongs to the molles sec-
tion, in wheh atl the spectes are char acterized hy larre, handsome, shows fruit morn or less dible; is quite common in Western Xew York, and Professor Sarmont lately informs me that it appears to le common in Eastern I'ennsylvania. It forms a handsome treo twenty-five or more fect in height, with a trmak a foot in diameter, and branchimes six to seven fiet above the ground into a spreading symmetrical heal twantr-five to thirty fent in dameter. The flowers, with ten stmened roze colored antlums, are borve on large, densely pubesaent rormbles, and comm into hoom abmat May ? 0 . The drooning clusters of crimsia, hastrons, oblong fruit, somowhat rommed at the ends, ripeus in the first of September, and falls towards the rad of the month. Tho loaves are aval, brambly equeate
 *hathertistic. This hendsome hawthom is assomiatal with the name of (itnrge bllwangor the whl kuown ven
 with its hambsomo ripe fruit in Sup. tembur it look magniticently
 spewtes, first observel in the Chmonain valley by the well known botanist (.) A. Pringle, but which allears to be widdr diatrimind throughont Western Xinw S゙orls, and Ontario, Conada. We saw it at London, Ontario, forming :
free twenty to thirty feet in height. In mormal conditions it forms a dense wal, compact heall, branching two or three feet above the gromad. The ten stamened thowers, with pink-rel anthers, borme un pubescent corymbs, come into hbom alout May 15. The oblong, dull red, dromplig fruit, oceasionally marked with yollowish freckles ripens about the rand of August, and falls towards the mindle of september. This bawthorn "an alwass be distinguished wherever it urars liy the droming tendency of the loaver, am a eonvex form, by tho infolding of the sides towards the mislrils.
(ratague spissiblora, Sargent, a molles suries, first userved by the writer in (brmeser Valley park, Rochestar, in 1!日!), werasmatily forms a tree, but is usu:ally shrubly in hahit, ant is kumw from Western New York ta Toronto. It ermoralls farmes a danse ohlonir hand. The flowers with tor stamens amblurflaberl anthers atre bome in dense, short, hany mombhs and enne mote Womm irom May 15 to 20 . The bright
 frouit, whirh is bumm on short stalks, ami forms donse short elusters, begins to color at the ennt of August, and is unt fully rape watil the midale of Septwuber. Thu leaves are anmle, oblongwatce aml frequmtly cordate at the has'. The fruit of this species looks
remarkably handsome in September.
Cratiegus Arnoldiana, Sargent, is a molles species, first detected growing wild on a slope in the Arnold Arboretom, and grows into a tree fifteen to trenty feet in height, with aseending branches forming a broad open irregular head. The ten stamenerl, yellow anthered flowers are borne on lax, manyflowered tomentose corymbs, and blossom towards the end of May. The bright crimson, subglobose fruit, usually
of May. The distinctly oblong fruit tapering towards the apex, and bright crimson and lustrous, ripens and falls early in September. The leaves are ovate-oblong, with prominent lobes, and long sharp teeth, and with a yel-lowish-green cast. John Dunbar.

Bear Lake, Micif.-The Manistee Floral Company, held an Inauguration day opening, preseuting a red earnation to every ealler.

c PROPAGATING FERNS AT ANDERSON \& CHRISTENSEN'S, SHORT HILLS, N. J.
a little longer than broad, ripens about the middle of August and falls by the first of September. The leaves are broadly ovate, to oval, and usually with a broadly wedge-shaped base, and dark green. Cratægus Arnoldiana is distinetive for the early ripening of its brilliantly colored fruit in summer, or early autumn. We were much impresset with the beauty of this harthorn when We first saw it in the Arnold Arboretum. We understand it is quite extensively cultivated around Boston.

Crategus pedieillata, Sargent, a spe. cies in the lobulate seetion, all of Whieh are characterized by large, broad, deeply lobed, more or less thin leaves, and large, oblong, searlet fruit; was first observed in Genesee Valley park, Rochester, in 1900, and is quite abundant from Western New York to Toronto. The seven to ten stamened lowers, with rose coloren anthers, on long stalks, in loose slightly hairy corymbs, come into bloom about May 25. The smaoth oblong, bright scarlet fruit, ripens about the first of September, and falls about the middle of the month. The leaves are usually broarly oval, and ronnded at the base, and rich dark green throughout the season. Professor Sargent regards $S$. perlicillata as "one of the largest and most beantitul thorntrens of the northern United Statos."

Cratocrus IInmesiana, Ashe, a lobulater precie; is a very common and wiltly distributed form, and one of the most easily recognized. It is frequontly : tree thirty feet in height, with uprimht loranches and usnally forning a hroat wompast head. It is found from Crntral New York to Quehre, and throurhout New Hampshire, Massarlusutts and Pennsylvania. 'The -up-shapeal flowers, with five to eight stamens, and purplerel anthers, on nearly smonth corymbs, but occasionally slighty hairy, blossom about the mithle

## WITH THE GROWERS

## In Metropolitan Suburbs.

Visitors to the establishment of Anderson \& Christensen, Short Hills, N. J., just now will see the preparations made for a large production of small ferns, a branch of the florists' business in which this firm has attained much prominence.
The firm is snugly ensconced in their new range of houses, erected last summer, and their plans for the near future are demonstrated in the work now going on. The preparations for the production of small ferns for jardinieres and disbes are perhaps most to be noticed. One of the six new houses is set apart as a nursery, or, as it might
seem, a hatchery. Fern spores are brought along in pots until little more than distinguishable, and are then pricked out and transplanted in rows in flats and thus carried until potted.

Upward of 2,000 of these flats will pass through this "hatchery" in the near future, and the firm expects to have a stoek of more than half a million in due course. Small ferns are not the only specialty here, as is evidenced by the three fine houses of Cibotium Schiedei, which seems to do particularly well here. The plants are to be seen in various shapes from the smallest sizes to the finest of specimen plants.

The seven houses of John Wilson, also at Short Hills, are also very interesting just now, notwithstanding that the plants are off crop to a considerable extent. Mr. Wilson seems to be a past master in the art of producing "toppers', in his benches, the majority of the blooms nearing the cut appearing to be mounted on canes rather than ordinary stems. Mr. Wilson is a believer in top-dressings applied judiciously and with an understanding born of experiment. Results in his houses certainly show that he has taken advantage of his observations. Bride, Bridesmaid, Golden Gate, and the old-fashioned but ever sweet pink Bon Silene are the varieties grown.

Henry Weston, of Hempstead, L. I., has some fine houses of carnations, from which he is cutting heavily every day for the New York market. A goodly portion of his glass area is, however, reserved for small ferns, of which he makes a specialty. Bedding plants are also to be seen at his estab. lishment in profusion, coleus predominating. He has just completed the erection of a new 150 -foot house, and has it planted with sweet peas.

## John Reimels, Woodhaven, L. I., N. Y.

A visit to the establishment of John Reimels at Woodhaven, L. I., at this time well repays the discomfort of a journey there on foot. Mr. Reimels is a carnation specialist, and like all enthusiasts in this line has some promising seedlings whieh he is watching closely. Among these is a silvery pink variety which he is about to propagate for a fourth season, and a crimson of extraor-


CIBOTIUM SCHIEDEI AT ANDERSON \& CHRISTENSEN'S, SHORT HILLS, N. J.
dinary free blooming tendency and brilliant color which looks like a winner. Another seedling originating in the establishment is a variegated Lawson, now in fine shape, and of which a small stock has been disseninaterl this year. This variety appears to be a very free bloomer, stont in stem, and has a large, full flower.
Of standard varieties the most interesting is a couple of benches of Wolcott.

## MARKET GARDENS.

## Prices of Indoor Vegetables.

Prices of indaor vegctables at lead. ing points March 11 were as follows: New York, cucumbers, No. 1, $\$ 1.25$ to $\$ 1.75$ per dozen; No. $2, \$ 2.50$ to $\$ 3.50$ per case; lettuce, 75 cents to 90 cents per dozen; mushrooms, 25 cents to 65


MUSHROOMS GROWN UNDER GREENHOUSE BENCH.

This carnation appears to do particularly well here, the benches almost a solid mass of bloom and bud, the blooms perfect in shape and with good calyxes. Other varieties to be seen are Scott, Enchantress, Mrs. T. W. Lawson, Prosperity, and Harry Fenn, all showing excellent cultivation. While most of the bouses are used for carnations, there is a fine house of sweet peas to com mand attention. The blooms are pink and white in color, very bright and with long stems. Between the rows tho space is used for geraniums.

## Begonias.

It was mainly due to the enthusiasm and achicvements of the late John Laing in England that for twenty-five years or more, interest in begonias (tuberous begonias especially) never diminished in that country, and this fact seeus much plainer now to many Who realize that the cause of the neglect of begonias during the last year or two is attributable to the absence of one who labored long and hard and successfully to keen them to the front there and also here.

It might be expected that losing the fostering care of their champion, protector, and in some degree their originator, begonias would suffer temporarily, but that the neglect and suffering was but temporary is evident now when we see renewed interest taken in them, and it is pleasant to note this when it is con. sidered how beautiful they are and how well they alapt thenselves to many different conditions and lend themselves to so many purposes with less trouble and a greater eertainty of suceess than any other class of plants tre know. David McIntosir.
cents per pound; radishes, $\$ 2$ to $\$ 3$ per 100 ; tomatees, 10 cents to 25 cents per pound; rhubarb, $\$ 3.50$ to $\$ 5$ per 100 bunches. Buffalo, cucumbers, $\$ 1$ to $\$ 1.50$ per dozen. Pittsburg, cucumbers, $\$ 1$ to $\$ 1.50$ per dozeu. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cueumbers, $\$ 2$ per dozen. Detroit, cucumbers, $\$ 2$ per dozen; let. tuce, 12 cents to 13 cents per pound. St. Louis, cucumbers, $\$ 1.50$ to $\$ 1.75$ per dozen. Chicago, mushrooms, 15 cents to 40 cents per pound. Denver, cucumbers, $\$ 2$ to $\$ 2.50$ per dozen. Cincinnati, cucumbers, $\$ 1.75$ to de $^{2}$ per dozen. Kansas City, mushrooms, 35 cents to 40 eents fer pount.

## Seasonable Suggestions.

This is the season when the market gardener is busily preparing vegetable plants $\mathfrak{f}$ or string sales and for use in his own establishment. Considerable forethought is necessary in handling these plants so they do not become drawn or spindly, a condition likely to arise when space is at a premium. It is necessary when sowing, to have a number of each rariety of vegetable llants representing early, mid-season ind late, and in selecting these some consideration must be given to those varieties which have hecome locally well known. An important matter is trausplanting the seedlings before they hecome spindly and weak; whatever the method employed in the hot-beds or Hats, this operation cannot be deferred.

The Cold Frame.-We have previously referred to the many uses in which the cold frame is employed. One for instance is placing a little hot-bed material in them and placing the flats of transplanted vegetable plants thereon. This encourages the growth of the plants and they are then in a good position for gradually hardening off. Another purpose is for hastening a crop of lettuce. Hardy and thrifty lettuce plants set out nine inches apart at this season will mature considerably ahead of that planted or sowed outside. In making use of the cold frames at this season the soil should be made in the best possible condition to encourage plant growth. It should be renewed and lightened with an admixture of sand it necessary. The manure should be well rotted and liberally applied. Many market gardeners have adopted very thorough methods in preparing the manure for such purposes. In order to get it thoroughly rotted down they turn it frequently through the fall and winter months and consider the labor well spent. After the plants are set out, covering the sasb with mats and shutters at uight will be advisable for some time. No opportunity should be missed, however, when the weather is favorable, to air them, and an occasional stirring of the surface of the beds will be beneficial.

If one has a trame $\theta$ f sufficient depth canliflower can be admirably and profit. ably grown at this seasou. We have

hastening the lettuce in cold frames.
always prepared thrifty plants for such purposes when the winter's back was broken, and by planting eighteen inches or two feet apart and allowing at least two feet of head room, cauliflower of choice quality will be forthcoming in May. The time is well suited for the further making up of hot-beds which by many market gardeners are utilized for transplanting vegetable plants. For those beds previously planted the admission of air on all favorable occasions is necessary for their well being.

Cucumbers.- Preparations are going forward iu many places to plant out the cucumbers. Where the house was previously employed for growing lettuce and on solid beds, it is necessary to apply some bottom heat to give the plants the necessary impetus. In solid beds a trench, $18 x 18$ inches, may be dug and filled in with well prepared hotbed material. A mound of fresh soil every three and one-half feet should be made and the cucumber plant carefully planted. A support for the vines must be provided; a gool method is an inverted V-shaped trellis which should stand four feet high. A row of plants both sides the trellis may be planted and if the house is wide enough two or more trellises may be used. A moist and grewing atmosphere must be applied but by judicious management of the ventilators a great deal of firing may be saved. A temperature of $60^{\circ}$ or $65^{\circ}$ at night and a rise to $80^{\circ}$ by day will be necessary.

Mushrooms, Some Figures. - So much has been written and said of the profits in mushroom growing that a few actual figures from the results of an experimental bed, cared for by one who has grown mushrooms to some extent for the past twenty years may be inter esting. A further incentive was to prove or disprove to the readers of the "Mar ket Gardens" column in the American Florist what returns were possible with reasonable care. Every phase of the subject has been imitated as near as possible to the average mar ket gardener's conditions. The bed was made up under a bench in the greenhouse which averaged $50^{\circ}$ night temperature. Bed made up November 19; spawned November 30; first picking, January 6; dimensions of bed, 75 square feet. The product has been sold mostly wholesule, the prices ranging from 25 cents per pound to 40 cents per pound. When the crop was heaviest shipments hare been made 100 miles to a commission merchant; which after commission and expressage have netted 33 cents per pound. At the present time 50 pounds of mushrooms have been gathered; these hare an average of 35 cents per pound or $\$ 17.50$. Thus the average has been three-fourths pound per square foot at a fraction over 53 cents.

A few details alout the management of the berl: The bed was boarded in with a slanting roof to prevent drip from the bench above. This left the front open and allowed free access to the bed. A canvas cloth was lung over the opening; thas the flactuation in temperature of the lionse was modified as far as the lued was cencerned. No water was applied until the first mushrooms appeared and then at a tempera ture of $90^{\circ}$. Fresh soil was added whenever the removal of clusters made hollow places. Water was applied in sufficient quantity to reach the base or
root of the mushroom whenever signs of alryuess appeared on removing them. After the first heavy crop all applications of water had a heaping tablespoonful of nitrate of soda added to each pail of water, sometimes alternat. ing with cow manure water. All unused or decaying mushrooms were promptly removel. One ponnd lots were sold in quart stramberry boxes.

The market gardener must take into consideratiou the price of manure and labor involved. Such a crop and price are only average; but does the problem present any features, whereby growing mushrooms as an adjunct to his business will be profitable?

Francis Canning.

## New York. <br> Mariet slumps.

The market has gone from bad to worse. Supplies are heavier, and the demand wretchedly slow. Roses, which have been fairly strong all along, took a drop during the latter half of last week, and prices are anywhere, the tumble being woefully apparent al along the line. The demand perhaps is not so very unusually light, but there is no doubt about it, that the influx of stock is more than it should be. Back ward weather, followed by bright days, is of course somewhat responsible for conditions, as far as arrivals are concerned, but the demand should be better than it is in spite of the season. Mardly anything shows any strength, and commission men who take the chances of the ice-box find they do not improve their prospects of getting better figures. Violets are moving, but there is no price to them, and the bulk of sales is made at ridiculously low fig. ures, but in the scale of prices strictly proportionate as to quality. Tulips can be had in good stock at almost one third of last week's prices. Lily of the valley, while good in grade, goes slow at the two cent price. Carnations are still more than plentiful and sales are made mostly on the lower planes. Fairly good stock can be bought at $\$ 1$ per hundred. Daffodils, nareissus and hyacinths are all plentiful but prices are practically unquotable.

## TRADE NOTES

J. II. Eisenberg, of Astoria, L. I., is cutting from a fine house of longiflorum lilies. He is preparing to build a new greenhouse $100 \times 37$ feet at Far Rock away, L. I., his increasing business at that resort necessitating better local facilities for carrying stock.

John N. May, of Summit, N. J., sailed for the south last week, where he will sojourn for a while for the bencfit of his health. During his absence the business will continue under the able management of his son, IFarry O. May.

James J. Mulry, formerly with Sigmmed Geller, will iu future represent Reed \& Ficller, manufacturers of florists' supplies, and Leon \& Wertheimer, ribbon mannfacturers, in eastern and southern territory.

The meeting of the Horticultural Society of New York scheduled for Mareh 8 was abandoned, owing to the poor trans. portation facilities existing that day, due to the strikes on the subway and elevated roads.
A. I. Niller, of Jamaica avenue, Brooklyn, is about to erect two new
greenlouses at his Janaica establishment on Rockaway road.

The many friends of John Gunther will be glad to hear that he has passed the erisis in his fever and is on a fair road to recovery.
H. J. Ramm of Secaucus died on Saturday, March 11, his death being due to a complication of diseases

Charles Munro, of New Haven, Conn., was a recent visitor iu New York.

Visitors: Mr. Schoenhut, New York; Mr. Mann, of Mann \& Brown, Richmond, Va.

## Chicago.

## The market

The mantle of Lenten dullness has spread itselt over this market to a very perceptible extent and were it not for the fact that country purchases have been fairly numerous it would puzzle some of the houses to find a place in their storerooms for the surplus. Beauty, however, are the one item that move freely at list prices. Especially does this apply to the better grades. Violet receipts have fallen off somewhat from previous week, but arriving in sufficient numbers to cause a continuation of the unsettled quotations existing for some time past. Big lots of carnations have been placed with the "bargain sale" store man but at prices that would discourage even the most optimistic of growers. Bulbous lines with exception of some of the choice varieties of tulips hang back in sympathy with stock in general as if to suggest the coming of spring. Several consignments of outdoor bulbous flowers from Mississippi arrived the past week, of a quality, however, that did not affect prices on greenhouse stock.

## NOTES.

'The Florists' Club will hold an Easter flewer show in the blue parlor of Handel hall on March 23 from 2 p. m. to $10: 30 \mathrm{p} . \mathrm{m}$. George Asmus has been appointed manager and exhibits can be sent addressed to him in care of any of the Chicago bouses or direct to Handel hall. Growers having desirable Easter plants, ete., to dispose of should not fail to be represented at this affair as it is predicted the show will be largely patronized by buyers both from out of town as well as about Chicago.

Chicago daily papers report creditors of Zion City as again becoming quite active with regard to payment of their accounts. Several suits for judgment have been recently filed. Zion is the now world-famed Dowie's institution and a full-fledged mail order seed business is ene of the commercial enterprises of this concern.

Lubliner \& Trinz have taken a temporary lease of the store at the southWest corner of State and Washington streets, formerly occupied by Carson, Pirie, Scott \& Company, and will carry a large stock of cut flowers and decorative plants. They will also retain their present store at 44 Randolph street.

Weiland \& Risch, as well as their foreman, D. J. Murphy, are quite enthusiastic over the new rose Killarney, having put in a large stock of it. This firm continues to cut quantities of exceptionally good teas, comparing favorably with the best that bas been seen hereabouts for many years.
A. L. Randall Company are pushing "greenhouse paeked"' lilies for Easter trade. The system of one handling of lilies between grower and bnyer is a good one and will no doubt resnit in fewer complaints of flowers being bruised on arrival.
A general good time was had at the 'smoker"' given by the Florists' Club Mareh 9. Outside as well as home talent kept the crowd in good humor, and early repetition of these affairs are looked forward to by nembers.
E. F. Winterson Company are receiving daily shipments of extra quality pink and white and white sweet peas.
J. B. Deamud is getting in regularly, consignments of Gen. MacArthur rose.
Several shipments of ontdoor grown bulbous stoek from the South have appeared in the market during the past week, but not of a quality that has any effeet on the greenhouse product.
John Lambros has been in Milwaukee for the past few days looking after his interests in conncetion with the failure of his brother, B. G. Lambros.
August Jurgens is sending in some good speeimens of Whitehawk tulips. A fine variety and brings a ready sale from local retailers.
P. J. Hanswirth has been nursing a very sore throat for the past week but is now on the road to recovery.
Bassett \& Washburn report shipping trade as fairly good with some eonsiderable call for faney teas.

Dealers are having their own troubles with faney ferns-most supplies coming out of storage in poor shape.
A. L. Vaughan has been visiting out of town trade the past week in the interest of his firm.

Ferns in variety for dishes, are a searee item with growers about Chicago.

Visitors: B. O'Neil, Elgin, Ill.; J. Winehester, Peeatonica, Ill.; H. E. Philpott, Winnipeg, Man., Canada.

## Philadelphia.

MARKET WELL SUPPLIED.
There have been several very quiet days since Ash Wednesday, but it is usually the ease, and better things are hoped for from this time until the last grand rush at Easter. Prices are bolding wonderfully well, particularly for Beauty whieh will command $\$ 5$ to $\$ 7.50$ for the specials. The growers with few exceptions say that Beauty have not paid for the last two months, they being off crop almost continually and the shipments in consequence have been very small. Myers \& Samtman seem to have learned some wrinkles that they can depend on, as during the off seasons of this and last winter their bouses were continually in bloom and their stock has been iu great demand.
Teas and liberty are now very fine; the best Maids sell for $\$ 12$ with a few gilt edged stock bringing $\$ 15$. Liberty range from $\$ 12$ to $\$ 25$. Golden Gate is also fine but there is not much of a demand for it in this market. Killarney may be seen here next season. It seems popular elsewhere but there is seareely enough grown about here to be counted. Carnations are in good supply and fair demand at prices a shade lower; $\$ 4$ is now low for the fancy's ereept for something speeial like Weber's My Maryland and Haines' the new searlet from Bethlebem. These are both great
varieties.
Two dollars to three will buy the best lawson, which price at this time a noted grower says is too low. He fears that the faney flowered varieties will crowd the smaller stock out of the mar ket and then that overproduetion wil get the price down to the level of the rommon sorts, which eannot be grown at snch figures to pay. Gardenias are still selling at $\$ 12$ per hundred. Some ot the growers are about eut out. Robert 'raig $\mathbb{E}$ Son are about done aul say the crop has been very satisfactory, All lnlbous stock is plentiful but it seems to be moving fairly well at from 42 to $\$ t$ per hundred. Freesia is almost over, $\$ 3$ per hundred is now high. Snapdragon is very fine now, both the white and colored. Hartley of Chestnut llill makes a specialty of this flower and will have a great crop at Easter Blooming plants are carried largely in stock ly all the stores and appear to sell well. Harris has sent in several very fine bougainvilleas which make a greit show. His Easter stoek of all kinds is coming on and promises to be up to the usual high standard.

## notes.

Manager Meehan at the market says their business is away ahead ot last season at this time, their new loeation has turned out to be a good move Oceupants of stalls also report that it has been a great advantage to thent

The Leo Niessen Company report wild smilax very searee, no one seems to know just why. Last Saturday it was impossible to get a case anywhere in the city.

The Hugh Graham's are busy with large store decoration. Twenty-five dozen primula obeoniea were used in wne job.
W. K. Harris is, we are happy to say able to be about again. He spent sev fral hours at the greenbouses Iast Saturday.
'The Philadelphia Cut Flower Company are handling some fine mignonette.

Pennoek's window was gay this week with Ghent azaleas and eibotiums.
K.

## Boston.

## SLUMP IN MAREET

The bottom has fallen completely out of the market, everything being way down. The warnu weather of the early part of the week brought along stoek a great deal faster than it could be disposed of, and as the Lenten sea son is starting in the demand has also slackened to a great extent. The slump includes everything, but bulbous stoek has been particularly hard hit, prices having gone off at least fifty per cent. Violets are so low in price that it is searcely worth while to bring them in to the market. Carnations have been selling as low as 75 eents per 100 for the poorer ones, with the best bring ing only $\$ 2.50$ per 100. Roses also are becoming very plentiful with a corre sponding drop in priee. In all proba bility this slump will eontinue for the next two weeks, as the warm weather will advance the stock faster than it can be disposed of.

## notes.

The Easter display in the Boston Publie Garden will be exceptionally good this year as lister eomes so late in the season. Snecial plans are being
made for foreing the various flowers, the display consisting of hyacinths, jonquils, croeuses, wall flowers, spiræas, and lilies of the valley.

John T. Butterworth of Framingham is receiving the eongratulations of his friends on recovering from his severe illness of the past months.

John Walsh, the manager of the Boston Flower Market, has recovered from his illness and will resume his duties on Monday.

Kidder Brothers of Lincoln have been bringing some exeeptionally fine single violets into the Boston market.
Fred Mathison of Waltham has the sympathy of all the florists, his wife having died several days ago.
H. P. S.

## Columbus.

The Fiftl Avenue Floral Company is in the act of building another large house which will be prineipally used for a show house. They expeet to have this house ready for use by Easter. It is too early to state as to the condition of the Easter erop, but it is generally believed that some of the stoek will come in ahead of Easter.

Carl.

## OBITUARY.

## Charles T. Siebert.

Charles T. Siebert died Mareh 7 at his resillence in Pittsburg, Pa. He is survived by his wife and three children. Mr. Siebert was a pioneer in the florist bisiness, and was noted for the construction and management of greenhouses of the largest size.

Ellis D. Adams.
Ellis D. Adams, seeretary and treasnrer of Comstock, Ferre \& Cumpany, Wethersfield, Conn., died March 10. He had been ill and absent trom business about one month. Hie death wis hastened hy an attack of acule Bright's disease. The deceased was well knowa to many in the seed trade, having been conncetcr? with the above company for nearly thirty-fivo years. He was bora in W'ethersfield and lived there all his life. He leaves al wife and two ehildren.

## William Charles Hill.

William Charles Hill, of Streator, Ill., died of cancer of the stomaeh on Mareh 11 after an illness of uearly a year. He was the son of William D. and Eliza C. Nlill, of Putnan county, Ill., and was born November 16,1843 , at St. Lonis, Mo. He served during the eivil war, enlisting in September, 1862, as a private in Company II, 20th Illinois infantry.
lle took part in the siege of Viekshurg and accompanied Sherman on his famous march to the sea. He was made a corporal near the end of the war. After the war Mr. Hill returned to Putnans county and in 1868 married a Miss Enily Tompkins. There were two chilTren, nejther of whom are living. From 1870 to 1876 he resided in Kansas and followes the occupation of a farmer. In 1884 he entered the hortieultural business in Streator and built his first greenhouse. IIe was buried in Riverwood cemetery, Streator Post, G. A. R., attending the services.

# TTHE AMERICAN FLOBIST 

Tifentieth Year.
Subscriptiou, $\$ 1.00$ a year. To Europe, $\mathbb{S} .00$. Subscriptions accepted only from those in the trade.
Advertisements, on all except cover pages, 10 Cents a Line, Aqate: $\$ 1.00$ per inch. No Special Position Guaranteed.
Discounts are allowed only on consecutive Insertions. as follows - 6 times, 5 per cent; 13 times 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.
Space on front pages and back cover page sold only on yearly contract at $\$ 1.00$ per inch, net.
The advertising Department of the American Florist is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only. Orders for less than one-hall inch space nol accepled. Advertisements must reach us by Wednesday to secure iusertion in the issue lor the following Saturday. Address

## AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send he old address at the same time.

## Forcing Gladiolus May

Ed. American Florist:-
Please let me know as seon as pessible how long it takes Gladiolus May to come into flower in a carnation house temperature of $50^{\circ}$ to $55^{\circ}$. I have never tried any and wish to do so.
J. B.

Gladiolus planted at this time of the year will take ten to twelve weeks to come into flower. If planted during the winter months they take a little longer te get inte bloem.

> C. W. Johnson.

## Early Sweet Peas.

Ed. American Florist:-
Is there anything gained by starting sweet peas in 4 -inch pots under glass, planting them outdoors after danger from frost is over, so as to get them as early as possible? How early should they be sown in this case? How deep should the seeds be if sowed late in fall:
M.

By starting sweet peas in 4 -inch pots under glass probably flowers ceuld be had from one to two weeks earlier than from seed sown in the open ground, but the experiment has been tried by so many and seldom repeated by any, that, even if a few stray flowers could be obtained early, it is well known that these would not conve near repaying for the trouble. Although swcet peas when small plants (from seed sown in the open ground) will stand a few degrees of frest, plants taken out of a greenhouse will get blighted by cold winds even witheut frost unless well sheltered or protected in some way. Thereforc, taking all in all, there would be but little gained by starting sweet peas under glass, but if the attempt be made the seed may be sown now. It is very arlvantageous to sow sweet peas in the fall. The secd should be covered with six inches of soil in a situation where water docs uet lodge.

David McIntosif.

## Exterminating the White Fly.

Ed. American Florist:-
I have noticed in the various herticultural journals and bulletins of the Ohio experiment station, numerous articles regarding the methods of exterminating the white fly, yet no one secms to have found a remedy for it except hydrocyanic acid gas. My stock was stricken by this pest threc ycars ago,
and not caring te try the above methed, I had been trying every other means until at last $I$ found one effective. I took one-half pint of kerosene emul. sion in twe and one-half gallons of water, heating it to $120^{\circ}$. I used an ordinary florist's syringe and sprayed in the morning while the flies were dormaut. They seemed to die by thousands, and the spray did very little damage to any of my stock. Pelargoniums seemed to enjoy it, while it damaged my fuchsias, abutilons and tomatoes. It should be used a little weaker and without heat. This methed is sure death to any white fly it cemes in contact with. I believe a sprayer making a very fine mist would be the most proper thing to use. I have been watching many articles on white fly but se far have seen none where anyone has used this remedy.
L. A. Whitmore.

## Boiler Scale.

Ed. American Florist:-
What is the best method of treating boilers or water te remove scale and prevent its formation? P. G.

When the deposit of scale is very thick, about the best way, in the case of large beilers is to break it eff with a hammer and cold chisel. Some of the anti-scale compounds are not only effective in keeping the boiler surfaces clean, but they have a tendency to soften the scale already depesited. The use of two to four quarts of kerosene in the boiler once a month, or oftener when firing hard, will give good results. Of course the best way of all is to use water that contains only a small amount of mineral matter. In large plauts where the water is very hard, purifiers can be used to advantage.
L. R. T.

## Greenhouse Heating.

Ed. American Florist:-
I am thinking of installing one boiler in my greenhouses to take the place of the two I now use. I have about 12,000 feet of glass and may possibly add 1,500 feet more. I use steam and grow roses, carnations, and pot plants. What size boiler would it take to heat it properly? The temperature sometimes gees to $22^{\circ}$ below zero.
E. R. B.

A geod deal depends upen the construction of the houses, the exposed wall surface and the methed used in estimating the area of glass. It would probably be safe to use a 50 hersepower boiler if the actual surface of the exposed glass is ne more than 14,000 square fect.
L. R. T.

## Meetings Next Week.

Tonston, Mass.-Gardeners' and Florists' Cinb of Boston, Herticultural Ilall, Tuesfay, March 21.

Poston, Mass.-American Rose Sncioty, Horticultural Hall, March 23 to 26, annual meeting.
'hicago, Ill.-Chicago Florists' Club, IIanilel hall, 40 Randolph street, Thursday, March 23, at 8 p. m.

Denver, Colo-Denver Floral Company, 223 Charles block, Friday, March 24, at \& p.m.
ilamilton, Ont.-Hamilton Gardenrrs' and Florists' Club, office of member, Tuesday, March 21, at 8 p. m.

Martford, Conn.-Hartford Florists' Club, Friday, March 24, at 8 p. m.

Montreal, Que.-Montreal Gardeners' and Florists' Club, Alexandria reoms, 2204 St. Catherine street, Monday, March 20.

New Haven, Conn. - New Haven County Herticultural Society, Tuesday, March 21.

New Londen, Conn.-Eastern Connecticut Herticultural Society, Tuesday, March 2I, greenhouses of Secretary H. H. Appeldern.

Richmond, Ind.-Richmond Florists' Club, greenhouse of member, Monday, March 20.

Salt Lake City, Utah.-Salt Lake Morists' Society, F'riday, March 24.

Teronte, Ont.-Torento Gardeners' and Florists' Association, St. George's Hall, Elm street, Tuesday, March 21, at 8 p. m.

## Catalogues Received.

Wilhelm Pfitzer, Stuttgart, Germany, seeds and plants; The Callander Cactus Company, Springfield, O., cacti and succulents; K. Van Bourgendien \& Sons, Hillegom, Holland, Dutch bulbs, flower roets and plants; W. E. Dallwig, Milwaukee, Wis., seeds; Sluis \& Groot, Enkhuizen, Holland, vegetable, flower and agricultural seeds; Archias Seed Store, Sedalia, Mo., seeds; Peter Henderson \& Company, New York, farm seeds, implements, etc.; Sander \& Sons, St. Albans, Eng. and Bruges, Belgium, hybrid orchids; Phoenix Nursery Company, Bloomington, Ill., hardy trees and plants; Nonne \& Hoepker, Ahrensburg, Germany, seeds and plants; Ellwanger \& Barry, Rochester, N. Y., nursery stock; Stark Brothers Nurseries and Orchards Company, Louisiana, Mo., nursery steck; The Nut Nursery Company, Monticelle, Fla., nut trees; The A. I. Reet Company, Chicage, bee keepers' supplies; Van Heiningen Brothers \& Company, Boskoop, Holland, nursery stock; James Vick's Sons, Rochester, N. Y., seeds, plants, bulbs, etc.; Vaughan's Seed Store, New York and Chicage, seeds, plants, supplies, implements, etc.; Laxten Brothers, Bedford, Eng., vegetable and flower seeds, potatoes, etc.; Nathan Smith \& Sen, Adrian, Mich., chrysanthemum and other plants; V. Lemoine et Fils, Nancy, France, plant novelties; R. V. Crine, Morganville, N. J., seeds; John Peed \& Son, Lendon, S. E., Eng., begonias, caladiums and glexinias. Vilmerin-Andrieux \& Company, Paris, France, chrysanthemums; F. Gilman Taylor, Glendale, Cal., rhubarb; W. Atlee Burpee \& Company, Philadelphia, Pa., seeds; Oasis Nursery Company, Westbury, L. I., N. Y., nursery steck; The Renfrew Nurseries Company, Ltd., Renfrew, Ont., Can., raspberry plant; Hunkel's Seed Store, Milwaukee. Wis., farm and garden seeds; Otte Heyneck, Madgeburg, Germany, chrysanthemum and other plants. F. Gilman Tayler, Glendale, Cal., seeds; George W. Park, Lapark, Pa., flower and vegetable seeds.

## American Carnation Society.

derartment of plant registration.
Gladys, registered by the Lakeview Rose Gardens, Jamestown, N. Y.; celor, white; size, threc inches and over; stems, twenty to thirty inches in length.

Albert M. Herr, Sec'y.

## Greenhouse Heating.

Ed. American Flohist:-
Please state the quautity and size of pipes necessary for heating a small house, $173 \times 108$ feet. The side walls are four feet high, sheeted with two 1-inch boards, two-ply felt paper betwcen, with heavy coat of mortar over all, outside. Six-foot bench down center and one four-foot bench on each side. The house runs east and west and the center bench is cut in two for a malk. How shall I arrange the pipes? Subscriber,
It will not be possible to give a very definite reply to the question as it docs not state whether steam or hot water is to be used, and no hint is given regarding the temperature desired or the kind of crops to be grown. In a general way, if hot water is to be used for heating, it will answer to use three 2 -inch flows and from six to eight -inch returns for a temperature of from $45^{\circ}$ to $55^{\circ}$. For roses or erops requiring about $60^{\circ}$ it will be well to use ten returns, supposing that the outside temperature is about zero. For steam under the above conditions, use one 2 -inch flow and from six to eight 11/4-inch returns.
L. R. T.

## SITUATIONS, WANTS, FOR SALE.

## One Cent Per Word

## Cosh with Adv.

Plant Advs. NOT admitted under this head.
Every paid subscriber to the American Florist for the year 1905 is entitled to a dive-line waNT pv. (situations only) free to be used at any time during the year. Situation Wanted-As working foreman: age
35, married. Life experience. Good references. Box 213, care American Florist.

Situation Wantod-By first-olass ficrist, Ger

Situallon Wantod-Young German floriat, 8 ears experience, want to get work near Chicago Speoialist io flower cultivation. State wages Jobn Kiepke, Richtod, 111
Sltuation Wanted-As carnation or rese grower, 6 years experiance. Carnations preferred. State In first letter with or witbout board. Address
Box 189, cara American Florist.

Slluation Wanted-By a good landscape gardener: Germen, 28 years old. Grower Box 203, oere Americen Florist.

Gluation Wanted-By practical florist; Ger man-a utrian. Best referencea if required

Caarles muehle, care m. Kolb,
Cellege Point, Long Island,
SItuation Wanted-By artlstic decorator and designer: competent to lake charge of flrst-class store. Best of references. Address with full par
ticulars, Box 191 , care American Florist.

Situatlon Wantod-By young mad as florist Have had experience in vegetahle gardeaiag bu reasonable offer. Age 22.
Box $2 \%$ care American Flatist.

Stuatlon Wantod-Bv young man of s3; ted resrs genersl greenhouse experionce. Well up on roses and carnations. Vioinity of big cit
iate terms in first letter.
Bes 205 , care American Florist.
Slluation Wantod-Young German, 28, good williag worker, with some experience wiabes to earn the trade where roses and carations are grown. Chleago or vicinity preferred.

Box 2I6, care American Florist.
Slluation Wantad-As foreman or manager on peto-date place by expert growerand, repogator mas--married. State [ul] particulars. Iddres Bux 915 , care American Fioriat.

Situatlon Wanted-As fereman: by flrat-class rower of resea, cardations, chrysanthemums and general stack. Aye 35, singlo. Only first-ctass place wanted. Address

Box 212 , care American Florist.

SItuatlon Wanted-By a competent florlst; 21 Sears experienct in ereenhouses. plants and
fruits: koow laedscayng: have diploma. able to iruls: kow laedscaymg: have diploma. able to
lake full charge in every jng of the busiuess. Ooly good place wanted. Address the busiuess.

Box 196, care American Florist.
Sltuation Wanted-As foremsn on good sized commercial place where growiug rases for cut fowers is made a specialty. Refer to Alex. Mout Mass. Address Rase Conservataries, Natick

130x 183, eare Americsn Florist.
Situation Wantod-Orcbid grower, propagstor. fancy plant grower. etc., wants position. Priva good establisbnent 25 years' experience Rf a good establisbneat. 25 years' experience.
References A1. Apply No. 24, Julius Reeres. Rutberford, N. T.

Sltuatlon Wanted-By yeung marrled man, Germau, age a7, strictly temperate and reliable years under glass. 3 years on private place. place: pivate preferred. Good references. For tull part.culars, address
Box 907 esra American Flerist.

Situation Wantad-First-ciass grower of roses, carbations, 'mums and genersl liae of pat and bedding plants, also good in la odsce pe gardening wants position as iereman or take charge of 19 years' experience. State wages. Address Box 207, care american Florist.

Help Wantad-Good grower of roses, carnations sud general stack. \$45.00 per mentb.

Holp Wented-Good all around floriat, single, German 'I'be F. Blondeel Company, Oak Park Ave. and Augusta st., Oak Park, Ill.
Holp Wanted-Reliable, single man to grow roses, cardations, ’muras and gerabiums. State ge and wages, with references

Gift Floral Co., Richmond, Ind
Holp Wantod - Experieoced grower of roses, cardetions and geveral stock for retail trade M. M. Sthong, Sioux Falls, S. Dak

Holp Wanted-Two young med for general wages wanted with bosrd and room. Address P. O. Box 273, Huntington, Suffolk Co., N. Y.

Help Wantod-A good young German for gen. ral greenbouse work: one that don't know it all; willing: good home with bgard Address
GOs. Obermeren, Hox 219 , Parkersburg, Gos. Obermeten, hox 219, Parkersburg, W. V'a.
Holp Wanted-Rese grower; oompetent, temperate and trustworthy. Only man whe has grown first-class stock wanted. Apply, giving references and full particulars, to

Robeht Simpson, Cliften, N. J.
Holp Wantod-A geod grower of general stock retall place; state wagee expected with board and room. Must be sober, bonest and industrious. Steady place to right man. Address

Box 211, care American Florist.
Help Wanted-cijod reliable man fer gederal greeuhouse work; must be sober and a gead worker. Wages $\$ 12 l 0$ per week. Reference日 required. Stase age and nationality. Box 201, care American Florist.
Holp Wantod-Young lady who understands lorist business. Musc be quick, active and good penman. Also sasiaiant. State salary and
Box 210. care American Flerist.
Help Wantad-Ycuag man for general greenbouse work; commercial place: steady jeb aod goployed and wapes per month with board las Geo. S. Belding, Middletowa

Holp Wented-At once, an all-areund florist to ake charge or 35,000 leet of glass. Must be a bustier and know his business, and handle help wanted. No driuking mas need apply and wages Geo. M. Kerlooo, Pleasant Hill, Mo.

Help Wantod-A good grower of roses, caras tions, chrysanthemums and general stock o plants. Must be sober and good worker. Stat ences. Address

Holp Wanted - 1 youog single man whe ueder. stadds grawiag of carastions, 'muma a ad geveral stock, a good desiguer and has a kowledge o
beddiog plants. Wages, $\$ 6.00$ per week wint board, room and washing. Reference required. A good place for the right man. Address

Box 201 , care American florist.

Holp Wantod-A grower of Beauties, to take harge of sectron uader foremaus. Man bat over 35 , single. A good opening for right party, Permanent position. Wazes $\$ 15$ per week. six miles rom Cleveland, ou main trolley line. Send refer M. Bloy, Essex Greenhouses Ares

Holp Wantod-At once, a stric!ly sober, relis bleman (single 95 to 35 preferred) a gead talker competent to take city orders for trees, sbrubs ssme. Same knowledge of landscape work dasired. A goed positionfarman whocan furniab reference and fill requirements. State full par ticulars and wages. Address

Litingeton Seen Co., Columbus, Ohto.
Holp Wanted-For an important establishment in Germany comorising pursertes and greenhouses, with a specialty of cut flowers, a tirst-class German madager, age between 30 and 4. Protestant, with Reod recommendations. B must understand tha general managemeot and 87500 per annum, share io protits. fuel. permaneme, share io prots, resideuce ar foply atooce sendinointmeat for the rigut man. references. Cenvenien effers are answered in the midst of April. Address $\begin{gathered}\text { Box } 206 \text {, care American Florist. }\end{gathered}$

Wanted-Te reat greedhouses in Chicago or Vicinity. Descrihe fully, Address Box 214, care American Florist,
Wantad- $T$, lease greebhousea, not less than 15,000 syuare feet of glase, suitable for growing cut fowers. Must be in good condition gud well heated. Term not less than flve years. Also seme land. Ohio or Indiana preferred. State particulars. Address $\begin{aligned} & \text { Bos 202, care American Floriat }\end{aligned}$

Wentod-Te reat place of 6,000 te 10,000 feet of glass with land, with option of buying at end of oue year. if sathsfactory. Near a city of pet less or lowa preferred. Statefull particulars F. W. Meref, Vine St, New Casile, Ind.

For Salo-A well stocked greeohouse for $\$ 750$.
Wm. BALlakd, Perry, lowa.
For Salo-Four beautiful greeabouses flled Fith rases and carnationsand dwelling for $\$ 3,600$; worth $\$ 5.600$; income $\$ 1,800$.

Cera M. Jones, 16 State St., Rocbester, N. Y.
For Ront-850 per month, five greenbouses, 9,000 square feet of glass, nine and one-balf acres of gocd ground, bouse and barn, long lease, $\$ 1,000$ cash for steck, etc, near Chicago. Adaress
Boz 152 , care Amerioan Florist

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## Washington

MARKET VERT QUIET.
The strenuous life, and trade, of inauguration week which was a little too strenuous, even for some of the flerists, has subsided into a "Peaceful Valley", existence with enough work te aid digestion, but no rush. The brilliant features of the season have passed into social history; the social events of the few remaining weeks will be enacted under the softening influences and dim religious light of Lent. There is an abundant supply of good stock, the fine weather of the past ten days having produced almost a glut in several lines, but it has also been favorable to counter trade.

Of daffedils there seems no end, and the price is being cut to 25 cents per dezen. The price of carnatiens is also breaking and 75 cent and $\$ 1$ varieties are being offered at 50 cents per dezen. There is a steady demand for good roses but inferior stock is very slow. Violets will soen be anybody's plunder. The trade in pot plants is picking up and fine large specimens of marguerite daisies, spiræas, and other seasonable plants are beginning to meve freely.

> FLORISTS' CLUB MEETING.

The regular monthly meeting of the Florists' Club was held on the night of March 7. There was a good attendance. The carnation show, elsewhere noted, the election of efficers and sundry other matters lent interest to the proceedings.

All the old officers, excepting vicepresident F. H. Kramer, who declined a second term, were re-elected, as follows: President, W. F. Gude; vice-president, Charles Henlock; secretary, Peter Bisset; treasurer, W. H. Earnest. notes.
With the return of spring the City Gardens Association is getting active. On March 11 the members entertained H. Rider Haggard, the English novelist, at a luncheon at the Shereham. Among those present were district commissioners West, Biddle and McFarland and Mr. Hioki, first secretary of the Japanese legation.
The City Gardens Association of Washington was erganized a year ago and has the indorsement of leading United States and district officials and many leading citizens. Prof. L. C. Corbett of the Agricultural Department is second vice-president and Prof. B. T. Galloway is on the board of directors.

In the Inaugural parade, March 4, W. F. Gude was adjutant to the ehief marshal of the civie grand division. George C. Shaffer rode as escert with the rank of colonel and Roy F. Wilcox role on the staff of the chief marshal.

A fire in the Manhattan building on Fourteenth street, on the night of March 11, ereated considerable excitement, being very near to Otte Bauer's store, but fortunately he sustained no flamage.
S. E.

## San Francisco.

MAHEET SATISFACTORY.
Business the past week has been very satisfactory. Most of the social activities mosed last night with the annual Tardi riras ball, which event called for a large :momot of stock. There was some: hillinnty in jerocuring roses of first class quality in the newled amounts
and they are still scarce. Carnations are in good supply with prices steady except on poor grade stock. Violets, particularly all single varieties, are about over for this season. The double varieties can still be had, but in limited supply. Harrisii are coming along slowly and bringing good prices. We are receiving plenty of bulbous steck of all kinds. Good smilax is getting scarce and nearly all green stuff is firm and in good demand. Some of our leading florists are receiving very large orders at this date for the funeral of Mrs. Jane Lathrop Stanford, California's greatest benefactress, whose body is expected in pert on the next steamer. From present indications an enormous quantity of flowers will be used. Outside stuff is coming in freely, ewing to the hot spell which is still with us with little or no indication of immediate relief.
florists' meeting.
The regular monthly meeting of the society was held last Saturday evening in Mission Opera hall. The attendance was very good. The club also wishes to announce a semi-monthly meeting to be held Saturday evening, March 18, at which all members are requested to be present as matters of much impertance are to be transacted.

Notes of the trade.
March 7 was Luther Burbank's birthday and he was notified that the children of the Alameda schools would observe the day as "Burbank Day," which was done in a fitting manner. Mr. Burbank feels highly complimented at the honor done him, especially by the youth of the state in which his wonder. ful creations have been breught to life, and was the recipient of a great many congratulatory messages from all parts of the world. Mr. Burbank has kindly consented to let his wonderful picture exhibit of scores of his cheicest preductions form a part of the exhibit from California in the California building at the Lewis and Clark Expesition, and the people of the state are im. measurably pleased.

A visit to famous Del Monte is al. ways interesting but not complete unless the magnificent conservatories are enjoyed. Thomas Lee, who has been head gardener here for many years, has the grounds and greenhouses in splendid condition. Many houses are deveted to the growing of decorative plants and ferns. Carnations are also grown largely. The output is disposed of on the premises. The propagating houses are filled with thousands of young bedding plants and are being constantly refilled to supply the demands of this extensive place. Mr. Lee is one of our most progressive gardeners and always gives all the new introductions the most thoreugh trials.

An hour spent at Demoto Brothers' establishment during the week was a revelation. From a very humble beginning this place has grown to one of our largest ranges of glass. Reses and carnations are grown in vast quantities as also are longiflorums, of which the latter is imported direct from the firm's plantations in Japan. The entire plant is heated by steam using crude petrolrom for fuel.

The Woman's Civir League of San Mateo has about completed its schedule for its annual fall show. Many valuable premiums are leing added to the
already extensive prize list. The Menlo Park Herticultural Society's exhibition committee is also preparing the schedule for its fall exhibition. Among the prizes are four beautiful silver cups, denated by the wealthy residents of Menlo Park.
John Kleiner paid the trade a visit during the week after an absence of several years. He was formerly in business in Oakland, but went north where he has since resided.

Joseph B. Coryell is about to add an orchid house to his private conservateries at Menlo Park. It will be devoted to dendrobiums chiefly.

## Denver.

Flowers are a little scarce now and the market continues good. The weather continues cool, thereby impreving business conditions. Easter prospects are very bright.

Mr. Gus Bensen's plant in South Denver is cutting seme A 1 carnations. He grows nothing but the new varieties and makes this his specialty. He re ceives from 4 to 7 cents whelesale for all his product.

The Celfax Fleral Company's steck is in very good condition. They are cutting some of the finest leng stem roses they have had in years. Their Easter showing is also very fine.

Grimes \& Son are also cutting seme very fine carnations. Their Easter lilies look very geod.

The Park Floral Company's greenheuses are in fair cendition. Their Eas ter display is geod, with lilies a trifle scarce.
A. H. B.

## Salt Lake City.

Business is very quiet at present. The amount of flowers grown for the trade is far in excess of the demand, with the single exception of roses, which on account of the soil and climatic conditions, are grown here with difficulty. Most of these are shipped in frem outside points. Carnations find good sales and there are always plenty in the market. There are now nineteen greenhouses in Salt Lake City grewing stock for the local market.
The Salt Lake Floral Company have sold their plant to D. E. Law, of Spekane, Wash., and William Wilsen, ef Butte, Mont. The new preprietors will conduct a whelesale cut flower business. They also intend reconstruct. ing the plant in a more up-to-date style.

Lilies will be scarce for Easter and azaleas will be nearly all gene. Carnations will be plentiful.

Coal bills have been light so far for March as we are having May weather.
D. E. L.

Fairmont, W. Va.-H. Glenn Fleming is planning to increase his present facilities and will tear down one old house, building in its place o new one of large dimensions.

Fairiaven, Mass.-Peter Murray, gardener for Walter $P$. Winsor has leased the latter's greenhouses for a period of two years and will engage in the wholesale and retail business.

San Antonio, Tex.-The proposed flower fete and Alamo Purchase celebration is arousing great interest. The governor, members of the legislature aml state officials, gencrally, will be invited to attend.

## Get Ready.

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High-Grade Cat Blooms.
Carnations, Roses, 'Mums, Violets, Etc.
Choice American Beauties a Specialty.
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Paper White Narcissus and Roman Hyacinths.
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Wabash Line trains make close connection at St. Louis with trains via the lron Mountain Railway and Laredo Route, carrying through Palace Sleeping Cars to the City of Mexico. Time is less than three days from St. Louis.

Two trains daily.
You can leave St. Louis at $2: 2 \mathrm{l}$ p. m . and arrive at Cily of Mexico 10:50 a. m. the third morning, or you can leave St. Louis at 8:20 p.m. and arrive at City of Mexico 7:30 p. m. the third evening.

Mexico is a delightful and healthful winter resort.

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The Only Florists' Paper.
American Florist Co.:-I would like to take up the renewal of the american Florist, which in previous years has been sent to my father, George A. Norton, Plttsfleld, Mass. Havlng gone abroad, he requests me to renew the subscriptlon, as he claims the American Florist to he the only forists' paper.

George A. Norton, Ja.


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## WHOLESALE CUT FLOWERS. <br> -current prices. subuect to chance.-

## AMERICAN BEAUTY.

Per doz.
ROSES.
Per 100


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A Weekly Illustrated Journal.

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41 Wellington St., Govent Garden, London, England.
Advertising Gets Results.
Am. Florist Co.:-It gives us pleasure to say that each year we have traced business resulting from our advertisement in the American Florist, this being our second year advertising in your paper. Our contract for the year with you ends soon and we expect to renew the same for another year.

Albany Steam Trap Company.

## beSt Encravings and ILLUSTRATIONS <br> ——Of Every Description- <br> EOER OA'AATOGUEE. <br> SEE OUR WORK IN THIS PAPER. <br> SEND FOR ESTIMATES. <br> GLOBE ENGRAVING and ELECTROTYPE CO. 407-427 Dearborn St., CHICACO.

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Deutsche Gartner Zeitung
The most widely circulated German gardening Journai, treating of all departments of horticulture and floriculture. Numerous eminent correspondents in all parts of the world. An advertising medium of the highest class.
Moller's Deutsche Gartner Zeltung is published weekly and richly illustrated. Subscription $\$ 3.00$ per annum, including postage. Samplo copies LUDVIG MOLLER, Effurt, Germany.

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THE HORTICULTURAL TRADE JOURNAL.

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Publisbed quarterly. Both mailed post free for one year for One Dollar.

THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENCLAND.

## The Seed Trade.

## amlrican seed trade association.

Cbas. N. Page, Drs Moines, Ia. Pres.; L.
L. Mar, St. Panl, Minn.. First yice-Pres.; Twenty-third annnal convention at Alexandria Bay, N. Y., June $20-20,1905$.

Tucsox, Ariz.-A cigar store bere bas a sign displayen, "Garden Seeds Free." Investigation slowed two cases containing a bushel or more of parcels containing collections of hoth flower and vegetable seeus franked hy an M. C. Most general merchants in the town sell packets of these secds.

## San Francisco.

Arnold lingier, representing W. W. Beruard \& Company, Chicago, is in tewn; alse M. H. Ebel of Sacramento. Beth report trade very good.
Charles Bagnall, formerly manager of the Pacifie Seed Company, Sacramento, is now in Shanahan's store.

## New York.

James Mefintehison, of Melfutchison \& Company, 218 Fulton street, New York, importers, was married on Weduestay, March 15, at Waverly, Mass., to Miss Grace Elizabeth Edgar of that place. The wedding trip has been deferred until summer, when the pair will make a European trip. Mr. McHutchison exprects to lie at his desk as usnal on Monday next.

## From Father to Son.

Edward Sherwood, of Hurst \& Son, London, Esg., who presided at the last annual general meeting of the Gardeners' Royal Benevolent Institution of that country, among other postprandial remarts stated that be believed he was the youngest ehairman that had bitherto presiled on such an occasion. He stated that his fathrr, N. N. Sherwoed, prestded on one oceasion thirty six years ago when only eighteen were present. The institution has greatly grown since then.

## Farm Grasses of the United States.

A popular book on this suliject has long been medod aud W. I. Sipilman, agrostologist of the ruitwl states Department of Agriculture, has now supplied it. There is a large amount of information in this rolnme which will he folntly wery usoful to seedemen. For exampla, the seembe of all standard kinds are well ilmstrated abd the bouress are given. Weed sempls are also allustrated. The fork contains ex pages with fifterfour illustrations or platers. frome of the fhaters as in the case of sorols, ombram a mumber of subjucts. Carlon R. binll vintributes a rhaptar on "Lawne and latwn Makins." The index is ruit, complete. We can supply tha luok on regeipt of the prier, which is $\$ 1$.

3,700 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.

## The Franked Garden Seed.

What is this that Senator Henry Cabot Lodge proposes? To aholish the beautiful and touching custom of presenting garden seeds to the American voter: Shame! The suggestion is as painful as if some distinguished le sislator were to trumpet it forth in the halls of Comgress that Christmas is frivolous, misleading and expensive. That is the ground that senator Lodge particularly digs his heels into. Expensive! Forsooth, is a paltry $\$ 240,000$ a year a burden on the government, when it keeps the exalted but modestly-retiring congressman in the minds of his rural constiturncy? How else can they know he is in Congress? Many have asked themselves this question seriously
or, as the venerable Senator Pettus of Alabama puts it, there is the sentimental recollection of "the violets blooming in the little wooden box," in
the spring! It is like robbing us of a the spring! It is like robbing us of a
congressional Santa Claus! What if there was a deficit of a paltry $\$ 6,000$,000 in the national treasury last month? 000 in the national treasury last monthgs
It is almost rulle to mention such things in mnnection with the franked and free garden seeds that lie on the top of the garten seeds that lie on the top of the Still-still, if Congress insists, this is a peculiarly appropriate time to give sentiment a jar!-New York Commercial.

## Ginseng

Once or twice in our experlence as seedsmen. covering nearly half a century. we bave, through the untruthfulness of others, been led to recommend to our customers movelties that turned out to be worthless; it shall not be so witb ginseng. for in the face of all the glowing accounts of those who represent it to be but another name for gold, we declare our belief in its being practically but a humbug, the market for this whim being so limited that if one per cent of the roots sold thrived as promised. balf the crop would have to go to the manure heap.

James J. H. Gregory.

## St. Louis.

## the market.

The weather during the past week has been fairly clear and averaging considerably warmer than heretofore. As a consequence, roses and carnations are getting more plentifnl with a consequent lowering of the price. This is mactically true of carnations as far as price goes. The quality is still quite gond. Bulbous stock is beginning $t_{1}$, come in and in some instances there is more of it than is necded. Violets are getting worse in quality right along and on account of the warm weather are not keeping well. Lily of the valley seems to be plentiful and of rery good quality. Some of the store men are complaining of trate being dull because of Lent, hat on the arerage they all som to be fairly well satisfied because they are getting considerable funeral work. The bedding and flowering phant growers are busy now shoving thrip stock along so that it may be in shape for diaster and spring sales. Tree glanting and lawn as woll as tree prun-
ing are being rapidly attended to and every one in that line seems to be busy. florists' club meeting.
'The St. Louis Florists' Club had a very interesting and well attended meeting last Thursday which was called a "rose meeting." Quite a number of growers showed their stock and among others were the E. G. Hill Company with their new rose, which was shown in very fine form. After the meeting a luncheon was served at the Missouri Athletic Clnb and every one went away happy. The meeting of the Plant and Unt Flower Growers' Association will he beld Wednesday afternoon, March 15. This is practically the first set meeting which the association will have and a good attendance is expected.

> TRADE NOTES.

The conservatories at the Missouri Botanical Garden have some very interesting thiugs to show the public jnst at this time. About seventy-five species and varieties of orchids are in bloom, inclnding a large number of Oncidium lnridum, some of which have spikes six feet long bearing one hundred and fifty flowers. There are also several species of phalanopsis, some of which have spikes with fifty flowers.

Vanilla aromatica is also in bloom for the first time in the garden. A large eollection of hybrid hippeastrums are showing up well. The garden has taken quite an interest in these for several years past and those which are blooming now are very interesting to them, Some are nearly white and are from seed of their own crossing. Among winter plants are to be fonnd in the Garden now Enpatorium macrophyllum, Considering the scarcity of flowering plants anong the florists at this time of the year it is always interesting to find there is something that can be added to our collection.
H. Stocke, who was in charge of the greenhouses for the landscape tepartment for the World's Fair, and Frank Busksaht, who had charge of the sunken gardens have just formed a partnership noder the name of Stocko and Rusksaht. They intend to werk in all lines of the trade. Both men are thoroughly eapable and should have a large measure ot success.

Quite a good deal of euriosity is arouser by the appearance of St. Patrick earmations. They are being displayed in many of the down town win. dows and are proving a goed drawing carl aside from any profit there may be in coloring them. Every one is asking how they got green.

Dr. Trelease is expected back from Mexico in a few days.

## SUMMER FLOWERING BULBS.

CALADIUM ESCULENTUM.
111 soumd lulbon will liveromter whents.


## TUBEROSES.

Dwarf Pearl, firstelthss, strong bulbs, per 100 ,
I) warf Pearl, nurfluta bize, per 100, 60e; per 1000,

Armst
Armsirond's Everbloomind. flne fur cut flow si.00; per lime wis. 00

## Now is Time to Sow

Tbe New Hybridized Giant-Flowered obconica PrimRoses

OARMINE, PURPLE, VIOLET. Per 1000 seeds, 81.00; trade packet, 5uc. Compacta.
A foe potter, per 1000 seeds 81.50 ; tr. $\cdot$ pkt., 50 c . Buttercup Primrose Grandiflora. Per 1000 seeds, 81.00 ; tr. pkt., 50 e. The above offered Strain, is uoquestionably the Best. Guaranteed true, and new crop. BABY PRIMROSE, per 1000 seeds. 503 ; trade pscket, 80c. PEPPERMINT, per 1000 seeds, 750 . O. V. Zangen, HOBOKEN, N. J.
Piease mention the A merican Fiorist when writing.

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Please mention the A merican Florist when writing
SEED GROWERS
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Write us before placing contracts. We have superior stock seed a ad can furnisb you good seed at reasooable prices. Aduress
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 Harrisii Bulbs THE "SEMPER IDEM" BRAND.I am now booking orders for July and August delivery. Prices on Application. $* * *$

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SEED merchants and seed growers. QUEDLIABURG, (Germanv.) Mangel Wurzel and Sugar Beet Seeds a SPECIALTY.
We offer an immense stock of all seeds at mocerate prices to the tradeonly. General Catalogues free on application. Eurlish Correspondeace. SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND. u.ugram Address: SAMENEXPORT, Quedinburg.-

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Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CRUCUS SPIRAEAS, GLADIOLUS, PAEDNIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WIITE GR., ETC. Ask quatations from our traveler

> MR. G. HYLKEMA,

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L. K. PEACOCK, Inc.,

Atco, N. J.

## The Nursery Trade

american association of nurserymen.
E. W. Kirkpatrick, McKinney, Tex., Pres.; C. L. Watrous, Des Moines, Ia, Vice-Pres.; George C. Seager, Rochester, N. Y., Sec'y. Thirtieth annual convention, West Baden Springs, Ind., June, 1905.

Owexsyille, Mo.-Jndge Koch has acquired control of the Gibson \& Pinnell Nursery and is disposing of the stock.

Black Fox, Tenn.-Fruit trees are badly damaged by the cold winter. The Easterly Nursery Company reports $\$ 4,000$ loss to their stock, mostly peach trees.

Adrian, Mich.-The Lenawee County Horticultural Society beld its fiftyfourth anniversary meeting March 8. James Lane is president and John Gregory secretary.

St. Joserf, Mo.-The St. Joseph Horticultural Society will hold at least five exhibitions of fruits, agricultural products and eut flowers during the summer, beginning with a strawberry show in June.

Fremont, Mich.-The State Horticultural Society will hold its annual spring meeting March 21 and 22. Cultural methods for small fruits will be discussed, also home grounds, forestry and good roads.

Richmond, Ind.-The Indiana Horticultural Society has obtained an appropriatiou of $\$ 2,600$ anuually, to carry on experimental work; some of the money will be used in publishing pamphlets on fruit, toward employing lecturers, and for the formation of new county societies.

## The Experiment Stations,

W. S. Thornber, instructor in the South Dakota Agricultural College, has been appointed horticulturist of the experiment station in the state of Washington.

## To Protect Holly Trees.

Representative Prettyman introduced into the Delaware legislature a bill which will prohibit the breaking of any limb from a holly tree without the consent of the owner. In securing Christmas decorations many bushes were wantonly lestroyed by thoughtless pickers. Instead of plucking the holly branch by branch the trees wonld be uprooted and damaged by rough usage.

Many merchants last season complained that the bolly of late years was not so abumdant and they attributed the scarcity to careless picking. The holly industry is an important one for hundreds of men, women and children in the lower part of the state who devote sevoral weeks to it every year.

## Worcester, Mass.

fheme ciboweles' conveation. Thw rleventle anmal convention of the Mrassionusetts F'ruit Growers' As.
sonciation was held in Horticultural lial sociation was held in Horticultural hall March \& to 9, and was very largely attonderl on benth days. The first day's the porssibilitios of marketing the apple
crop by the fruit growers of New Eng. land. "There were two adlresses: "The Foreign Market,'" by George A. Cocbrane and "The Home Markets," by A. Warren Patch, both of Boston. During the afternoon session the following officers were elected: President, Jonathan Eames, of Sherborn; vice president, C. A. Whitner, of Upton; secretary, L. T. Maynard, Northboro; treasurer, J. W. Clark, North Hadley; auditor, J. Lewis Ellsworth, Worcester. On the second day the convention was addressed by the following: H. W. Collingwood, editor of the Rural New-Yorker, "The Care of Apple Orchards;" Monroe Morse, of Medway, "Peach Culture," and H. O. Mead, of Lunenburg, "Plum Culture."

## notes.

The Worcester County Morticultural Society held its annual banquet and dance in conjunction with the Massachusetts Fruit Growers' Association March 9. There was a very large attendance and addresses were made by the mayor and prominent men of the city and noted horticulturists.

Charles 1:. Fish, proprietor of the West Side Nurseries, has brought suit against Nance O'Neil, the actress, for $\$ 1,000$ for alleged breach of contract, claiming that she bas refused to pay for certain shrubs, roses, vines and bulbs purchased of him.

Trade remains steady and good stock plentiful.
L.

## Milwaukee.

The advent of Lent had but little effect on the trade, iu fact busiuess has kent up in good shape. Carnations are selling very well at present at fair figures. Violets are being received in large quantities and prices for same are ruling very low. American Beauty are the only short item on the list but the indications are the supply will shortly increase.

The Milwaukee Florist Club had its annual carnation niglit at its last meeting. A very fine display was made by both local and ontside growers. Among those who exhibited were Palmer \& Son, "Red Lawson;" "Thompson Carnatiou Company, "Robert Craig;" Nic. Zweifel, Heitman \& Baerman, Pohl \& Krause, Ang. Manke, C. C. Pollworth, Fred Schmeling, F . Prenss, C. Zepnick. Holton \& Hunkel Company and J. Valom. After the mecting the members enjoyed a nice banquet provided by the entertainment committec.
Indications are that the supply of lily plants for Easter will be adequate to any demand and the stock in general is in good condition.

Molton \& Hunkel Company are now receiving extra fine Brides and Maids,
being the best stock so far seen in this city.
V. H.

## Omaha.

Stock is moving more rapidly as spring is advancing, trade being good with the supply and demand about evenly balanced. An unusual number of funerals during the past few weeks considerably increased the demand. Plants and cut flowers are in good condition, but lilies are likely to bo too early for Easter.

There seems to be a disposition to return somewhat to the use of flowers for personal adornment, not only bunches of violets, but roses, single stems and moderate sized bunches.

The trade has not suffered much since Lent began, the buying of flowers for the sick being already a marked feature.

The Nebraska Florists' Society held its monthly meeting March 9 and was well attended.

Visitors: C. W. Scott, Chicago; Mr. Currie, Milwaukee.
L. H.

ASK FOR OUR WHOLESALE PRICE LIST

## Bay Trees <br> with special discounts. Write now; it might be

 too late tomorrow.Julids Rophis Bo, Exotic Nurserles,
GREAT BARGAINS

## In Shrubs and Roses.

400,000 Roses, $2-1$ nch pots.
Hydrangea P. G., 3 to 4 feet
500,000 Privet, prices on application.
Clematis Pan., 2 years..
50.000 Field-grown Phlox.

30,000 Roses, 4-1meh pots.
The ELIZABETH NURSERY CO,

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## Tottenham Nurseries, tro. <br> Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)
Headquarters for Hardy Perenoiala (among Which are the latest and choicest) 13 acres
devoted tor growing this line as Aoemone, Aster, devoted for growing this ine as Avemone, Aster, Campanula, Delphioium, Funkia Hemerocallis,
Hepatica, Incarvillea, Iris, Peonies, Phlox decusHepatica, Incarviliea, Iris, Peonies, Phlox decus-
sata, and sufruticosa, Primula, Pyrethrum, sata, and sufruticosa, Primula, Pyrethrum,
Tritoma, Hardy Heath, Hardy Ferns. Also 5 Tritoma, Hardy Heath, Hardy Ferns, Also
acres Daffodils, 12 acres Conifera, (speclally young choice varieties to be grown on), 3 acres Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest noveltiea in these lines. Ask for catalogue.

## Allo Rhotert English Manetili Stocts <br> Grown by MESSRS. JOHN PALMER \& SONS, Annan (Scotland).

FORCING LIICS Best Corman Pot-Crown in white imported to order, for fall delivery. Let us appraise your wants.
AUGUST ROLKER \& SONS, 31 Barclay St., NEW YORK, P. O. Box 752.

CACTI.We are now making a plant arizons. Our price list is Arizons.
Agave A pplanata Parryi, 10 c to 83.00 .
Cactus Rainbow, 10 c to 50 c .
Cereus Gjganteus, to 2 ft .50 c to $\$ 1.00$.
Cereus Greggil. \$1.50 to $\$ 3.00$.
Dasylirion Wheeleri, a heautiful decorstive plant; an evergreen: grayish-green dowers, hardy, height to 6 reet, 25 c to $\$ 5 . c 0$.
Echinocactus Polycephalus, variation from Grand Cenyon, scarce, single, in clumps, 81.00 to 85.00 . Echinoosotur Cyllndrsceus, 5 to 12-1n., 25 c .
3 to 4 ft. 5 to $7 \mathrm{It} . ; \$ 2.50$ to $\$ 3.00$, $\$ 5.00$ to $\$ 8.00$.
Echinoosotus Emoryi, 5 to $12-\mathrm{in}$., 3 to $4 \mathrm{ft}, ; 25 \mathrm{c}, \$ 3.00$ Echinocsctus Leicondei, $6-\mathrm{in}$. to 3 1t. : 25 c to $\$ 3$ ( 0 . Echinocactus Phoeniceus, hardy, clumps, 2 to 1000 plants, $1 c$ per plent.
Echinocereus Engelmannii, single 50 ; in clumpa, 250 per clump.
White-spined, semi-hardy. 25 c per clump. Eohinocereus Fendleri, hardy, heautiful bloom,25c Echinocereus Wislizeni, 5 to 12 -in., 25 c to 50 c .
1 to 2 ft ., 50c to 82.50.
解i, single; clumpe, 5 c.
Mamillaris Radiosa arizonica, berdy, clumps, Ic
perplant.
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WILL B. MUNSON, Denison, Jer

## Our Pastimes

Announcementa of coming contests or otber events of interest to our bowling，sbooting and sporting readers are solicited and will be given place in this column．
Address all correspondence for this depart－ ment to J．H．Pepper， 489 Sixth Ave．New Iork；Robt．Kift， 1725 Chestnut St．，Philadel－
phia；or to the American Florist Co．，Chicago．

## At Chicago

The bowlers played their weekly games at Bensinger＇s alleys on＇Tuesday night，National S．A．F．champion， Stevens，carrying ofit the honors for highest score．The ladies made up a purse of candy money for best total in thre games find Mrs．E．F．Winterson will enjoy the sweets，having made 381.
Player．1st．2d． 3 wim．4th．
Winterson
Asmus
Stewns
Pasternick
Balliff
Balluft
P．J．Hausw
Benesh


## At Denver．

Ňo teams lowling in Tonver played harder for their laurels than the four－ men teams of the Densm Florists league．This little leagur is muing to burn out a fow players some lay who
will surprise the big team players and the intividual high rollers．Their scures almays show hatd playing and those who have seen them work notice marked improvement with each match game．The seore follows：

| Player． | 1 st | 20 | 3d Tot． |
| :---: | :---: | :---: | :---: |
| Zimmer | 116 | 137 | 130－383 |
| K゙せもい | 142 | 175 | 205－522 |
| Berry | 148 | 156 | 180－484 |
| Mallo | 153 | 15.1 | 148－452 |
| Totals | 559 | 619 | 663－1841 |
|  |  | 2. |  |
| Player． | 1st | 26 | 3 d Tot． |
| Breuken | 125 | 129 | 120－374 |
| Ruymolds | 120 | 123 | 107－350 |
| Valentine | 130 | 137 | 144－411 |
| N．A．Bensu | 89 | 187 | 180－456 |
| Totals | 464 | 576 | 551－1591 |
|  | No． | 3. |  |
| Player． | 1 st | 2 d | 3 l Tot． |
| Frazer | 194 | 164 | 148－506 |
| liemmedy | 139 | $13 \%$ | 144－409 |
| 1314s1 | 131 | 126 | 191－448 |
| scott | 152 | 166 | 194－512 |
| Totals | 606 | 592 | 677－1875 |
|  | vo． | 4. |  |
| Player | 1 st | 2 d | 31 Tot． |
| fillis | 116 | 11.3 | 100－329 |
| （．Benson | 118 | 137 | －02－456 |
| ${ }^{\text {c．M Maff }}$ | 144 | 198 | 173－455 |
| Blaber | 135 | 157 | 151－443 |
| Totals | 513 | 544 | 626－168 |

## At Omaha．

＇The florists＇lowling team is antici－ pating commeting at the convention in Washington this summer．The follow． ing are the scores made Thusday even－ ing．March 9.

| Plaver． | 1 st | 21. | 3 d ． |
| :---: | :---: | :---: | :---: |
| F．IV：Jacols | 145 | 171 | 154 |
| ．I．13ath | 110 | 169 | 135 |
| Wr．Ellswoth | 11心 | 185 | 140 |
|  | 125 | 130 | 135 |
| I．Hendersan ． | 117 | 155 | 150 |

## Baltimore．

Matiket geveratly firm．
There was a rush in trade for the two or three days immediately preced－ ing Lent－lalls，rinners，receptions， lumohes anl tras－but Ash Wednesday， as usual，was a quiet day with nothing doing in the florists＇line．For a day or two there was a general sagging， then gradual reeovering，and by Satur－ day there was lriskness all aronnd and stocks on hand were pretty well cleared off，some，naturally，at pressure prices． Monulay，with bright skies and splendid ennditions for carriages and perles－ trians，found everybody beginning the week with cheerfulness and hopeful anticipations of improving business．All last week was miserable and depressing weather，chilly temperature and rain aml fogs for five dars ont of seven．The uights kecp eool and brisk firing is still in order．Stock comes in in greater fuantity and improvel in shape．There is some little decline in prices．At last there are some American Beanty to be had，but they are not overabundant．

S．B．
Milfaukee，Wis．－The annual spring flower show of the park system opened Mareh 10．The exhibit excels that of any previons year．
1Iustead，O．－The Clark County Hor－ ticultural Society bed its regnar monthly meeting March 9．J．C．Allen read a paper on＂Elowers on the Lawn．＂
Pomona，N．C．－The J．Van Lindley Nursery Company is preparing to build Iwo more new greenhouses to meet their יver increasing demand，one house 30 x 300 feet for asparagus and smilax，and one of $x 210$ feet for violets．

## Seasonable Seeds for Florists＇Use．

 VAUGHAN＇S ASTERS．＂THE CARLSON．＂The Early Lale Variely．
White，Rose Pink，Lavender，Marquiq－Pink，Violet－Blue，Daybreak Pinkand Mised．Each，trade plt．，20e；any 3 for 5 ce；or per 4 oz．$\$ 100$ ．
 avender，Red Daybreak pank．．．．．．．．．．Trade pkt． 1402 Mised ．．．．．．．．．．．．．．．．．．．．．．．
Vaughan＇s Upright White Branching
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.10
BALSAM．Alba Perfecta This is the largest and best double wbite Balsam， unequaled io doubleness and large size of ats camellia－shaped thowers，

CANDYTUFT．Giaot Eyacioth－Flowered．This improved strain is supe－ rior to timpress．Trade pkt．， $10 \mathrm{c} ; 12(\mathrm{oz} ., 15 \mathrm{c} ; 102 ., 25 \mathrm{c} ; \mathrm{lb} ., \$ 2.50$.
CENTAUREA．Imperialis，mised and Alba，pure white，trade plt．，10e； 62，5ue，10．$\$ 5.50$.

SOLANUM CAPSICASTRUM．Jerusalem Cherry，makes fine plants for Cbristmas sties，trado pit．，10e．
VAUGIIAN＇S CHRISTMAS PEPPER．Sow it now．Pbt．，（ 250 seeds）25c． SWEET PEAS．

Best Whate－Dorothy Eckford
Best Lavender－Lady Grisel
Best Red－King Edward VII．
leat Pink－Lovaly
1seat Bright Blue－Mrs．Gคo．Higgiuson，Jr
Best Bright Btue－Flora Norton

man an ab Astor produces，perhajs，more salable cut fowers to a pre bloom frombr kind．The parots grow from 16 to 18 inches high and un＇ 1 corruptedly．Id abnue the flowers resemble the Victoris type，except that the petals are jooser 80 as to tive the lowers a very graceful appearance，

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COMORENSIS．Like a Pluroosus，but growa taller and quicker and ia

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LETTUCE，Black Seeded Simpson，Vanghan＇s Select stock．Oz．，IOc；
Grand Rapids Forcing．Oz．，10c； $4 / 4 \mathrm{lb} ., 30 \mathrm{c} ; 1 \mathrm{~b} .12 \mathrm{t} .00$.
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5,000 LAWSON................. . ( se $_{2} 500$ per 1000 2.000 PROSPERITY; 82.00 per 100; $\$ 15.00$ per 1000 . 3000 MACKINAC... 2000 LADY BOUNTIFOL.... 3.000 JUDGE HINSDALE. 2. 100 MRS. PATTEN. 2000 NELSON FIS1 ER 2,000 OCTOROON
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Wo are booklog orders now for diver 1906. Price, $\$ 2.50$ per dozen; $\$ 12.00$ per 100; $\$ 100.00$ per 1000 . Write us for other new and standard varieties.
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## WABAN ROSE CONSERVATORIES,

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## Minneapolis.

MAMEFT QULET.
Trade the prast reek has been of a quiet nature, and the florists in general complain of small and slow sales. A number of the large growers have crops of teas and carnations in full swing, causing the market to drop some degrees. In fact all stock is plentiful at the present writing, with no possibility of rise for a few days at the least calculation. Beauty is the only article that is scarce with good prices ruling. Business mill be affected to a certain extent by the Lenten season, and with a late Easter some trouble will be ex. perienced in holding lilies to the proper stage of bloom.

## trade notes.

Murtfeld \& Pattliy, 8.6 Nicollet avenue, have dissolved partnership, Mr. Murtfeldt retaining the store at the old stand. Niss Patthy has opened up an up-to-date store at 11 7th street, South, under the name of Thompson \& Patthy.

The florists of St. Paul and Minneapolis intend to hold a bowling tournament in a few days followed by a banquet at one of the leading hotels. It has not been decided in which city the occasion will be held.

Warm weather the past few days has brought the "Greek" stands out, but only for a short time, as the temperature is back around the zero mark.
R. Will \& Sons intend to enlarge their range of glass the coming season, as also Carlson \& Sandberg, 19th avenue, Northeast.

The Dayton Flower Department, unAer management of Latham \& Desmond report business opening up in fine sliape.
E. M. Sherman of Charles City, and Richard Alston of Winnipeg, Manitoba, Were recent visitors to the city.
C. T. R.

Oceanic, N. J.
At the meeting of the Monmouth County INorticultural Society, Mareh 3, Frank Brunton was clected to membership. The secretary reported that eight essays had been sent in by the assistant gardeners for the prize contest. The names of the winners will he announced at the next meeting, March 17, and the prize papers will be read and discussed. The subject for the essays, to be sent in before April 7, is "Fruit Culture in general under G]ass." These essays are also to be written hy the assistant gardeners and prizes will be awardel to the best two. George Hale exhibitol Morgan roses, which scored 85 points. The judges were W. W. Kennefly, H. Griffiths anl Vm . Ritchic. The discussion of the evening was on the subjoct of "The Value of the Gardeners' Union."
B.

## Holyoke, Mass.

The Molyoke ILorticultural Socicty mot on the erening of Mareli 1 at the rosilence of J. S. Welber. 'Ihe speaker of thr evening was M. II. Walsh, of TVomels Ifolu, the well known grower :1m hybridizor of roses. Dlis suliject W:Is 'lkoses :HAl their Culture.' Roses W.r. no "xhibition, including Wellesley, swut hev lhe Wralnon Tose Couservatori**, Natick, Mass. J. N. M:y, of Summit, X. T., shat the new Genral Mac-


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SCARLET SAGE, LOBELIA, VERBENA. VINCA VAR, HELIOIROPE, Double and Single PETUNIA, 2-in. pots, $\$ 2.00$ per 100 .

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Palms. Ferns and
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Spiraes Compacta, Florihunda, Japonica, all are large plants, 6-iuch pots, 4200 per doz. Gladsione,
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## Detroit.

## The Market.

Business during the past two wecks has been very satisfactory to the retail dealers, being fully equal to and in some cases exceeding in volume that of the same period a year ago. The usual proportions of roses, carnations and violets as well as bulbous flowers being (is. posed of. The local carnation growers however, complain bitterly of the unprecedented glut in those flowers, which has existed almost without interruption since the holiclays. In common with many other sections of the country, too many Lawsons are grown while the white varieties have been almost continuously short of the demand. The lighter shades of pink, too, were much favored and scldom was there a surplus of theur. Even Enchantress sold well and was in every way more popu lar than last year. So serious has been the condition of the local carnation market that the consideration of the matter absorbed almost the entire time of the club at the last meeting, at which many schemes were proposed to remedy the present eondition, which by many growers is regarded as desperate With the purpose of affording some relief to the situation, one retailer marle a special sale of carnations on Saturday, March 11. It was well advertised and 15,000 flowers were sold at 25 eents per dozen. The stock was all fresh cut and much of it elegant. It netted the growers 85 cents and $\$ 1$ per hundred. The subject will be again discussed at the next club meeting The violet growers too are now discouraged as their plants are all heavily laden with fine blooms with only a limited demand at low prices. Roses, how. cver, continue scarce though present indications point to a much increased supply soon.

## NEWS NOTES

Gus. Knoch, Woodmere, has brought suit against the Detroit Gas Light and Coke Company, to recover damages amounting to $\$ 5,000$. The loss sus tained by Mr. Knoch was by the injury to his water lilies growing in a county drain passing through his property. He alleges that the gas company allowed poisonons substances from their plant to enter the drain last summer which resulted in nearly the total loss of his water lilies.
A new commission house will open here March 20 at 6 West Adams avenue It will be known as the Detroit Cut Flower Supply House. The proprictors are Charles H. Pease, New York and H V. Pearce, Pontiac, Mich

Charles Lohrman, of Lohrman Secd Comprany, was married Tuesslay, March 7 , to Dliss Alice M. letkey
Visitors: William Wykes, New York; Marry Byers, Dayton, O.; S. S. Skidel sky, Philadelphia; Il. Van koolbergen, Holland.
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Wabash R R Wabash R R
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The W. T. Buckley Co., Springfield,

The W. T. Buckley Co., Springfiel
Carnation-Carnation cuttings Nelson Fisher, $\$ 6$ per ${ }^{100,} \$ 50$ per 1,000 irs M. A. Patten, $\$ 6$ per $100, \$ 50$ per 1,000 Crusader, $\$ 5$ per $100, \$ 40$ per 1,$000 ; D$ Whitney, $\$ 5$ per $100, \$ 40$ per 1,000 ; Enchantress. $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Harry Fenn, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Manley, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Fair. Maid, $\$ 2.50$ per $100 . \$ 20$ per 1.009 : Queen, $\$ 2.50$ per $100, \$ 20$ per 1,000 . Well rooted from selected stock. Same varieties from pots 50 c more per 100

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Carnation-White Lawson, Flamingo, N. Fisher, Crusader, $\$ 6$ per $100, \$ 50$ per , 000 .
John Dreitmeyer's Sons, Detroit, Mich.
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#### Abstract

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Carnation - Rooted cuttings now ready. All best commercial varieties, also some of tried newer sorts. FirstPoehlman

Carnation-Carnation Robert Craig (scarlet), 1906. Order now for March delivery. $\$ 12$ per 100; $\$ 100$ per 1,000
D. Thompson Carnation Co., Joliet

Carnation-Carnation cuttings; well rooted, taken from selected stock, clean and healthy Lawson, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000; Guardian Angel, $\$ 1$ per $100, \$ 9$ per 1,000 ; Enchantress, $\$ 3$ per 100, $\$ 25$ per 1,000 ; Morning Glory, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 ; Mrs. Higinbotham, $\$ 1.25$ per $100, \$ 10$ per 1,000; Es-
telle, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 ; telle, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000 ;
Chicego $\$ 2$ per 100 , $\$ 15$ per 1,000 A AdonChicsgo, $\$ 2$ per 100, $\$ 15$ per 1,000; Adon$18, \$ 2.50$ per $100, \$ 20$ per 1,000; Flora
Hill, $\$ 1$ per $100, \$ 9$ per 1,000 ; WhIte Hill, $\$ 1$ per $100, \$ 9$ per 1,000; Whlte Cloud, $\$ 1.25$ per $100, \$ 10$ per 1,$000 ;$ Her
Majesty, $\$ 1.50$ per $100, \$ 12.60$ per 1.000 ; Majesty, $\$ 1.50$ per $100, \$ 12.60$ per 1,000 ;
Harlowarden, $\$ 1.50$ per $100, \$ 12.50$ per Harlo

Wietor Bros., 51 Wabash Ave., Chicago, Ill.
Carnation-Rooted carnation cuttings. Enchantress, $\$ 3$ per 100, $\$ 25$ per 1,000 ; 1.000; AlpIne Glow, $\$ 2.50^{\prime}$ per 100 , $\$ 20$ per 1,000; Lawson, $\$ 2$ per 100 ,
 $\begin{array}{ll}\$ 15 & \text { per } 1,000 \text {; Queen, } \$ 2.50 \\ \text { per } & 100, \\ 1,000 ;\end{array}$ per 1,000; Boston Market, $\$ 2.50$ per 100 , $\$ 20$ per 1,$000 ;$ Marion, $\$ 2$ per $100, \$ 15$ per 1,000; Flamingo, $\$ 6$ per 100 ; Crusader, $\$ 6$ per 100; Crane, $\$ 2$ per $100, \$ 15$ per 1,000 . Mre. Patten, $\$ 6$ per 100; Prosperity, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Harlowarden, $\$ 3$ per 100 , $\$ 25$ per 1,000 .

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Carnation-kooted carnatioll cutohipped $\$ 7$ per $100, \$ 60$ per ready to be Bountiful, $\$ 7$ per 100 , $\$ 60$ per 1,000 ; Mrs. M. A. Patten, $\$ 6$ 'per 100 , $\$ 50$ per 1,000 Nelson Fisher, $\$ 7$ per $100, \$ 60$ per 1,000 ; Daheim, $\$ 6$ per $100, \$ 50$ per
1,000 ; Enchantress, $\$ 3.50$ per $100, ~ \$ 30$ per 1,000; Boston Market, $\$ 2.50$ per 100 . $\$ 20$ per 1,000 . The Queen, $\$ 2.50$ per 100 . $\$ 20$ per 1,000 ; WhIte Cloud, $\$ 1.50$ per 100. $\$ 12$ per 1,000; Mrs. T. W. Lawson, $\$ 2$ per $100, \$ 18$ per 1,000 ; Gen. Maceo, $\$ 2$ per 100 , $\$ 15$ per 1,$000 ;$ Morning Glory, Bradt, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Melba, $\$ 1.50$ per 100 , $\$ 12$ per 1.000 ; Queen Loulse, $\$ 1.50$ per 100 , $\$ 12$ per 1,000 . Grafted rases. Write for prices.

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$100 ; \$ 40$ per $500 ; \$ 75$ per 1,000 .
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Carnation-strong, healthy well root ed cuttings, Prosperity Joost Lawso and Volcott, $\$ 2$ per 100; Moonlight, $\$ 3$ per 100.

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Carnation-Victory to be disseminated, 1906, $\$ 12$ per 100; \$100 per 1,000; 250 at 1,000 rate. Place orders for rooted cut Patten, $\$ 6$ per $100 ; \$ 60$ per 1,$000 ;$ EnPatten, $\$ 6$ per $100 ; \$ 60$ per $1,000:$ En-
chantress. $\$ 3.50$ per 100: $\$ 30$ per 1,000 ; chantress, $\$ 3.50$ per $100: \$ 30$ per 1,000 : Prosperity, $\$ 2.50$ per 100, $\$ 20$ per 1,000 ;
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Lorna, Floriana, M. Joost, Morning Lorna, Floriana, M. Joost, Morning Lawson, \$7, and Cardinal, \$12.

The Storrs \& Harrison Co., Paines-
ville, $O$.
Carnation-Carnation Candace, $\$ 2$ per doz.; $\$ 12$ per 100; $\$ 100$ per 1,000. DIsseminstion 190 .

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Chrysanthemum - Chrysanthemums are our specialty. We have the beet from raisers here and abroad. Our catslogue for 1905 describes them all.

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Chrysanthemum-Strong, well rooted cuttings, Wm. Duckham. Dr. Enguehard, $\$ 2.50$ per 100; Ben Wells, F. S. Vallis,
Mrs. E. Thirkell, Mildred Ware, Mrs. T. W. Pockett. $\$ 1.50$ per 100. For $\$ 1$ we will mail 6 rooted cuttings of each of the above. They will reach you without further expense, From these early cuttings stock can be increased six-fold by planting time. Send for complete price list.

The Wm. Scott Co., Corfu, N. Y. Chrysanthemum-Early Chrysanthemums, $\$ 2.50$ per 100; Ivory, Lady Fitzwygram, Mme Bergman, Monrovia Omega, Opah. Polly Rose, Glory of Pacific, Wm. Simpson.

The Storrs \& Harrison Co., Painesville, $O$.
Cineravia-Benary's dwarf, budded, right for Easter, cut of 3 -in., ready for 5 -in., \$4 per 100
Shellroad Greenhouses, Grange, Baltlmore, Md.
Clematis-Clematis paniculata.
. \& T. Smith Co., Geneva, N. Y.
Cobæa Scandens-From flats, transplanted, 50 c

Ludvig Mosbaek, Onarga, Ill.
Coleus-Best bedders, 50c.
Byer Floral Co.. Shlppensburg. Pa. Coleus-Ten varieties Coleus, 2-in. pots, March 1, \$2.
H. Cunningham, Delsware. 0. Coleus-Forty varleties, 700 per 100: $\$ 6$ per 1.000
. D. Brant, Clay Center, Kan.
Cyclamen-Cyclamen giganteum, best strains, all colors, transplanted September, own stock, ready for $21 / 2$ and 3 -in,
$\$ 2$ per 100 . 18 per 1000 , express pald, $\$ 2$ per 100 . 18 per 1000 , express pald,
E. Wohlert, Bala, Pa. teum hybrids in bud and bloom, from 6-in. pots, $\$ 2.50$ per doz., $\$ 20$ per 100 .

Panl Mader, E. Stroudsburg. Pa
Cyclamen-Once transplanted. ready March 1. \$2 per 100 , $\$ 18$ per $1,000$.
Dahlia-Dahlia Sylvia. divided feld roots. $\$ 2$ per doz., $\$ 15$ per 100.
Vaughan's Seed Store, Chicago and New York.
Dahlia-Dahlia, Mrs. WInters, $\$ 10$ per 100 .
$\dot{\text { w }}$. W. Wilmore. Box 382, Denver. Col.
Dahlias-We wish to announce to the trade that we are successors to W. P Peacock. dahlia spectalist. Scriptive cata logue for 1905, now ready.
L. K. Peacock, Inc., Atco. N. J.

Dahlia-Kaiserin Augusta Victoria, dbl., 4 to $5-\mathrm{in}$. diameter, stems 12 to $18-i n$.
stock from, plants 3 to $31 / 2$ feet high
$21 / \mathrm{in}$. pots $\$ 3$ per doz; $\$ 20$ stock
per 100 . Delivery May 1 . 1 . per doz; $\$ 20$ A. L. Miller, Jamalca Ave., Brooklyn,

Dahlias-Fine collection dahllas, \$5 per ${ }^{100}$ H. H. Kern, Bonner Springs, Kan.
Daisies- $\$ 1$ per 100
S. D. Brant. Clay Center, Kan.

Dalaiaa-Parls Dalsy, giant, 2-in., $21 / 2 \mathrm{c}$. Byer Bros., Chambersburg. Pa
Deutzia-Easter stock. Deutzias tor forcing, strong 2 -year-old, field grown plants, for 6 -in. pots. Gracilis rosea, Lemoinei, \$1 per doz., \$\$ per 100.

Henry A. Dreer. Inc., 714 Chestnut St., Philadelphia.
Easter Lillea-Hinode Florist Co., $\underset{\text { Whitestone. L. I., N. Y. }}{\text { En }}$
Dræcena-Dræcena Indivisa, per 100
2 1/2-in., \$3; 3-in., $\$ 4$.
The Storrs \& Harrison Co., Painesville. $O$.
Easter Stock-Easter lilies, hydrangeas, spiræa Gladstone, rhododendrons genistas.
R. Dreyer, Woodside, L. I., N. Y.

Euphorbia-Euphorbia Crown of Thom Lowa Seed Co., Des Molnes, Ia

Ferns-Boston Fern, $2 \overline{1 / 4}$-in., strong well grown, $\$ 3$ rar 100 .

Iowa Seéd Co., Des Molnes, Ia.
Fern-Nephrolepls Scottil, ${ }^{6-i n .,}$ pot
grown, ready for 8 -in., $\$ 16$ per doz.; 7 grown, ready for $\$ 2$-in., $\$ 1 \mathrm{l}$ per doz.; grown, $\$ 36$ per doz.

John Scott, Keap
Brooklyn. N. Y.
Fern-Adisntum ciroweanum, the new maldenhair fern, helght $31 / 2 \mathrm{ft}$. Prices on application.
${ }_{383-387}$ Ellicott' St.. Buffalo, N. N. $\underset{Y}{ }$.
Ferne, Etc.-Boston, Plersoni and Geo. A. Kuhl, Pekin. Ill.
Ferns, Eto-boston rerns, for 5 , 6,7 and $8-\mathrm{In}$. pote at $\$ 25, \$ 50, \$ 75$ and $\$ 100$ Der ${ }_{\text {L. }}{ }^{100} \mathrm{H}$. Foster, 45 King St., Dorchester Mass.
Ferns-Fancy ferns, $\$ 1.50$ per 1,000 ; dagger ferns $\$ 1.25$ per 1,000 ; galax 75 c per 1.000: $\$ 6.50$ per case 10,000 ; laure festooning 4c, $5 \mathrm{c}, 6 \mathrm{c}$ per yd.; wild sm1 lax $\$ 5.50$ per $50-1 \mathrm{~b}$. case; laurel and Princess pine wreaths

Crowl Fern Co., Millington, Mass.
Fern-Boston fern, $21 / 2$-in., $\$ 3$; assorted ferns for dishes, $\$ 3$.

The Storrs \& Harrison Co., Painesville, 0 .
Ferns-Ferns in 4,5 and 6 -in. pots, strong, healthy, well rooted from bench at $15 \mathrm{c}, 20 \mathrm{c}$ and 30 c respectively.

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Feverfew-Plants, $2 \frac{1}{4}-\mathrm{in}$, pots $\$ 2.50$ Ludvig Mosback, Onarga, Inl.
Foverfew - Hooted cuttings and plants Ludvig Mosbaek. Onsrga, Ill.
Feverfew-(Matricaria) Little Gem. $244-\ln$. pots, $\$ 2.50$ per 100
Nathan Smith \& Son
Nathan Smith \& Son, Adrlan, Mich.
Feverfew-Little Gem, $2 \sqrt[1]{4}$-in., 60c per oz., \$4 per 100.
Henry A. Dreer, Phlladelphla. Pa.
Fuchsias-Fuchsias, rooted cuttings, 5 best varieties, 90 c per 100 .

Byer Bros., Chambersburg, Pa
Fuchaia - Fuchsias, rooted cuttinss 1 per 100; $21 / 4-\mathrm{in}$. pots, $\$ 2.50$ per 1,00 Ludvig Mosbat Onarga, 111
Gardenias-Gardenia plants and Jessamine, our leading speclalty. Natural growing conditions here ideal. 1 yr
$24-\operatorname{in}$., $\$ 1.50$ per doz.; $\$ 10$ per 100 .

Geraniums-10- Barieties geranlum $1 / 2$ pots and $2-\frac{1}{2}$. pots, $\$ 3$.

Jos. H. Cunninghsm, Delaware. O.
Geraniums-Geranium Telegraph, bedatrong plants, $24 / 4-\ln$., $\$ 15$ per 100 .

Thomas Devoy \& Son, Poughkeepsle, N. $\mathbf{T}$.

Garaniums-Jean Viaud, S. A. Nutt, Castellane. John Doyle and Porkins. ite, 2 -inch pots, $\$ 2$ per 100 . La Fay Geo. M. Emmans, New
Geraniums- 25,000 geraniums, by express, $\$ 2.50$ per $100,21 / 4-\mathrm{in}$. pots; by mall, $\$ 1.50$ per 100 , rooted cuttings. Ludvig Mósbaek, Onarga, Ill.

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Forget-Me-Nota-Ever blooming for-get-me-nots, rooted cuttings, \$1.00 per 100.

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Fuchsiss-Fuchslas, rooted cuttings and plants.

Ludvig Mosbaek, Onarga, Ill.
Geranium-S. A. Nutt geraniums, healthy, ${ }^{2} 1 / 2-$ in... $\$ 3.50$ per 100 .
Geranium-Geranium William Langguth, $21 / 4$-in., $\$ 4$ per 100; Lady Plymouth, In., $\$ 5$ per 100.

Iowa Seed Co.. Des Moines, Ia
Gladions-Gladiolus bulbs and bulbets, all sizes.

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Heliotrope-Rooted cuttings, \$1 per 100.

Byer Bros., Chambersburg, Pa
Hellotrope-Rooted cuttings, 12 varlties, $\$ 1$ per 100; $\$ 8$ per 1,000 .
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Hibiscus-Hibiscus Peachblow, $21 / 4-\mathrm{in}$.,
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Hollyhocis-Double deld-grown, \$3 per 100 . Wilmore. Bnx 382. Denver. Col.
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Godfrey Aschmann, 1012 Ontario St. Philadelphia.
Hydrangea-Hydrangea paniculata grandiflora, $21 / 2$ to 3 feet, $\$ 1.50$ per 100 , $\$ 11$ per 1,000 ; 12 to 1 S-in., $\$ 1$ per 100 , Thos. Hogg, $2-y r$. pot grown, $\$ 5$ per 100 , $\$ 35$ per 1,000 . thr. pot grown, $\$ 0$ per 100 ,

Vaughan's Seed Store, Chicago and New York.
Iris-German lris, $\$ 2$ per 100 .
Ivy-German Ivy, $2-\mathrm{in}, \$ 2.50$ per 100
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Japanese Novelties-Tiny plants in 2 and $3-\ln$. decorated Japanese pots, $\$ 15$. $\$ 20$ and $\$ 25$ per 100 . Rhapis, 5 to 15 Hinode Florlst
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Orchid-Orchids, cacti, etc. Send 10 c in stamps for illustrated catalcgue. Ex-
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Orchids-Cattleya Mendelli, also Lella anceps and Onctalum tigrinum, etc. Write for special list No. 14 . Orchid growers and importers

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 10 to 12 lbs

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Pæonias-Pronias in fine assortment distinct colors, named sorts, $\$ 1.50$ per doz.: $\$ 10$ per 100; $\$ 90$ per 1,000 .

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Palms, Etc.-Growers and impurters palms and ferns; decorative plants.

Place Chleago Ill
Palma, Etc.-Palms, ferns and decorative plants.

John Burton, Assignee for Robert
Cralg \& Son, Market and 49 th Sts.,
Philadelnhia. Pa.
Paims, Etc.-Kentia Belmoreana and Kentia Forsterlana. Joseph Heacock, Wyncote, Pa.
Palms, Etc.-Latania Bor., 2-in. pot, seed leaves, $\$ 3$ per 100; Latanla Bor., 3 in. pot. $15-18-\mathrm{in}$, , $2-3$ chr. lvs., $\$ 12$ per 100 ; Latanla Bor., $5-1 n_{\text {. pot, }} 18-20-1 \mathrm{n}$., $3-4$ chr. lys., 20 - 4 -in 4 chr Latania Bor., pot, $20-24-\mathrm{in},{ }^{4}$ chr. lvs., $\$ 20$ per 100. $\$ 10$, Ben. $\$ 10$ per 100 ; Kentia Bel., $3-$ in. pot, $8-10$ Bel., $4-$ In. pot, $12-15$-in., $4-5$ leaves, $\$ 16$ Bel., $4-\mathrm{in}$. pot, $12-15-\mathrm{in}$., $4-5$ leaves, $\$ 16$
per 100 .
Sherman Nursery Co., Charles City,
Palms, Etc.-Palms, ferns and decorative planta.
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Palms-Small palms from $21 / 2-\mathrm{in}$. pots, per 100: Fientia Belmoreana, $\$ 6$; Areca Lutescens. \$4; Latania Borbonica, \$3; Cocos Wedelliana, \$s. ville, 0 .
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Pansies-200,000 fine large plants of the famous large flowering Bugnot's, Cassier's, Odier and Trimardeau, 50 c per 100; $\$ 3$ per 1,000. Extra large plants coming in bud, $\$ 1$ per 100.

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Panaiea-Rooted cuttIngs.
Ludvig Mosbsek. Onarga. Ill.
Panslas- 100,000 pansy plants, $\$ 10$ per 1,000. Unrooted cuttings, half price of rooted.
Loomls Carnation Co., Lock Box 115 , Loomis. Cal.
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Petanias- 10 best sorts, $\$ 1.00$.
Byer Floral Co., Sh1ppensburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Petralas-20 varietlea, $\$ 1.25$ per 100; $\$ 10$ per 1,000
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Boses-American Beauty, La France and Bride.

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Roses-Roses, rooted cuttings: Chatenay, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Uncle John, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Bridesmald, $\$ 1.50$ per 100 . \$12.50 per 1,000 Bride, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 ivory, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 Roses, $\$ 1 / 2-1 \mathrm{n}$ pot plants: Richmond, $\$ 30$ Roses, $21 / 2-1 \mathrm{n}$, pot plants: Rlchmond, $\$ 30$ per 100, $\$ 250$ per 1,000 Rosalind 0 rr Cngllsb, $\$ 25$ per $100, \$ 200$ per 1,000 Chatenay, $\$ 4$ per 100 , $\$ 30$ per 1,00 il sunGise, $\$ 4$ per $100, \$ 30$ per 1,000 ; Perle von Godesberg, $\$ 5$ per $100, \$ 40$ per 1,000 Liberty, $\$ 5$ per $100, \$ 45$ per 1,000 La Detrolt, $\$ 6$ per $100, \$ 50$ per 1,000; Uncle John, $\$ 4{ }^{\text {per }}$ per $100, \$ 35$ per 1,000 ; Kalserin, $\$ 4$ per 100, $\$ 30$ per 1,000; Bridesmald $\$ 3$ per 100, $\$ 25$ per 1,000; Bride, $\$ 3$ per $100, \$ 25$ per 1,000 ; 1vory, $\$ 3$ per $100, \$ 25$ per 1,000; Perle, $\$ 3$ per $100, \$ 25$ per 1,000 $100 ; \$ 50$ per 1,000 .

Peter Reinberg, 51 Wabash Ave., Chicago.
Eoses-Rose plants, write for prices on hybrid perpetuals, hybrid teas, teas climbers, ramblers, etc.
C. M. Niuffer, Springfield, 0

Rose-Baby Rambler, ever blooming, dware crimson, 4-in. pot plants, April 1 delivery, per doz, $\$ 5$; per 100, $\$ 40$. 3 -in pot plants (grafted) ready now, $\$ 4.50$ per doz; $\$ 35$ per $100.21 / 2$-in. pot plants April delivery, per doz., $\$ 3$; per 100, $\$ 20$
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New York.
Roses $\overline{50}$ Rooted cuttings, Brides maid, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000 ; Brlde, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 Golden Gate, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000; Ivory, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000.

George Relnberg, 51 Wabash Ave. Chicago.
Roses- 60,000 grafted roses for forcing. Delivery April, May, June. Liberty, rose pots, $\$ 18$ per 100; Brides. Bridesmalds, Golden Gate, Kalserln roee pots, $\$ 10$ per 100 $31 / 2$-in. pots, $\$ 15$ per 100 .
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Roses-Roses, $21 / 4-\mathrm{in}$. pots, $\$ 2.50$ per 100; Universal Favorite, Evergreen Gem, Bessie Brown, Manda's Triumph, So. Orange Perfection, White Memorial, YelMme. de Wattevllie. Franclsca KrueMme. de Wattevlle, Franclsca KrueWer, Mary Washington, Champlon of the Wridesmaid, Bride, Halloween. Strong Bridesmaid, Bride, Halloween for spring sales or for planting.

Iowa Seed Co.. Des Molnes, Ia
Roses-Spring sales, Crimson Rambler, 2-year-old, $\$ 2$ per doz., $\$ 15$ per 100 ; 3-year-old. $\$ 2.50$ per doz., $\$ 18$ per 100 :
Dorothy Perkins,
2 -year-old, $\$ 2.50$ dorothy Perkins, $\$ 20$ per 100 -Year-old, Gruss an Teplitz 2-year-old, \$2 per doz, $\$ 15$ per 100; $\$ 15$ per 100 ; Hermosa, 2 -year-old, $\$ 2.25$ $\$ 1.50 \mathrm{per}$ doz, $\$ 10 \mathrm{per} 100 ;$ A. Beauty, toria, $\$ 2.50$ per doz., $\$ 20$ per $100 ;$ P. Neyron, $\$ 2.50$ per doz. $\$ 20$ per 100 ; many other varieties
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Roses- Roses, Ramblers and hybrids.
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Robes-Hardy roses.
Ellwanger \& Barry.

Roses-Easter stock. Baby Rambler rose, Mme. Norbert Levavasseur, 1 . year-old, field grown, for 4-in. pots, $\$ 5$
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Boses-Now is the time to place your orders and insure getting good stock for planting.

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Salvias-Rooted cuttings and plants.
Ludvig Mosbaek, Onarga, Ill. Saiv
$\$ 1,000$
S. D. Brant, Clay Center, Kan.

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Umbrella
In., fine, 2 Ey c. Bros., Chambersburg, Pa.
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S. D. Brant, Clay Center, Kan.

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Verbenas-Rooted cuttings, 60c per 100.

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Nathan Smith \& Son, Adrlan, Mleh.
Vinca-Vinca varlegata, $3-1 n$ pots, $\$ 5$ per 100

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Privet-Calliornla privet cheap, 100, 000 plants, 3 to 4 -ft., $\$ 4$ per 100 , $\$ 25$ per 1,000 ; $21 / 2$ to $31 / 1 /-\mathrm{ft}^{2}$., $\$ 2.50$ per 100 , $\$ 17.60$ per 1,$000 ; 20$ to $30-\mathrm{in}$., $\$ 2$ per $100, \$ 13$ per 1,000; 18 to $24-\mathrm{in}$., 2 years, $\$ 1.50$ per 100 , $\$ 7$ per 1,000 . Boxed f. o. b. here. For car or large lots, write before placing orders.

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Rhubarb二 Rhubarb, $\$ 2.50$ per 100 .
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Ribbon Grass-Silver ribbon grass, fleld grown roots, 25 c each by mall postpald. \$1.25 per doz; $\$ 8$ per 100 by express, not prepald.

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The Elizabeth Nursery Co., Elizabeth N. J.

Shrubs-Hardy shrubs, Ramblers, etc Vaughan's Seed Store, Chlcago and New York.
Shrubs-Shrubs, hardy plants, clim= bers, etc.

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T. V. Munson \& Son, Denison, Tex.

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> Asparagus-1904 new crop asparagus seeds. Plumosus nanus, 55 c per 100 ; Robustus, 85 c per $100, \$ 7.50$ per 1,0
Sprengeri, 15 c per $100, \$ 1$ per $1,000^{\circ}$. Moore \& Simon, 207 Narket St., Philadelphia, Pa.
> Asparagus-1904 new crop asparagus seeds. Plumosus nanus, 55 c per 100 , $\$ 3.50$ per 1,000 ; Robustus, 85 c per 100, $\$ 1$ per 1,000

> Moore \& Simon, 207 Market St., Philadelphia, Pa
> Asparagus-A. plumosus
> nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $\$ 1.15 ; 1,000$ seeds, $\$ 4$. Southern greenhouse grown, 1,000 $\begin{gathered}\text { seeds, } \\ \text { mosus } \\ \text { robustus, } 100 \text { seeds, }\end{gathered} \$ 11_{i}^{\text {A, }} 1,000$ mosus robustus, ${ }^{\text {medmbens, }} 100$ seeds, 50 c ; 1,000 seeds, $\$ 4$ Comorensis, 100 seeds, \$1; 1,000 seeds, $\$ 7.50$. Cash discount 2 per cent.

> Vaughan's Seed Store, Chicago and New York.

Asparagus-A plumosus nanus seeds, for own growing, 100 seeds $50 \mathrm{c} ; 500$ seeds $\$ 2 ; 1,000$ seeds $\$ 4$.
B. H. 'Haverland, Pleasant Run, $O$.

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Aster-Seed of the Carlson, ${ }^{1} \mathrm{pkt}$, $20 \mathrm{c} ; 3$ pkts., $50 \mathrm{c} ; 1 / 4$ oz., $30 \mathrm{c} ; 1$ oz., $\$ 1$, $\underset{\text { Branching }}{ }$ or Semple, ${ }^{1}{ }^{1}$ pkt., ${ }^{10 \mathrm{c} ;}{ }^{10 \mathrm{c}}{ }^{1 / 4}$ Oz., ${ }^{20 c}$; ${ }^{1}$ oz., ${ }^{60 c}$; ${ }^{60}$ white branching, trade pkt., $10 \mathrm{c} ; 1 / 4$ oz., 20 c ; oz., 65 c Vaughan's upright pink branching, trade pkt., 10 c ; $1 / 4$ oz., 20c; oz., 65 c . New everblooming aster Ideal, trade pkt, 15 c ; $1 / 4$ oz., 30 c ; 1 oz., $\$ 1$.

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Alfred H. Langjahr, 55 W .28 th St., New York.
Alex. J. Guttman, 52 W. 29th St., New York.
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The Goldirsif (Mulert).-A numher of florists find golifish an attractive and faying addition to their business. The best atvice is given in every department of the subject, including construction and caro if the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

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For Horticulturists and Orchid Growars.

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Cbrysanthemum Specialist
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## Thentieth Year.

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the american carnation society. Annual convention at Boston, 1906 . Albert M. Herr, Lancaster, Pa., secretary.

## AMERICAN ROSE SOCIETY

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## ROSE

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## PALMS AND FERNS.

## Before Easter.

Indications of more active growth are readily noticed among plants of this character at this season, many of the palms pushing up new leaves and assuming what may be termed a growing color, while in the fern house the young fronds in their various delieate tints are appearing in multitudes. These indications also point to a period of decided activity on the part of the grower, for much potting may now be done, and a general rearrangement of the stoek, with the possible exeeption of those plants that may be required for Easter trade. A lack of space will sometimes hamper this work until after the Easter plants are out of the way, but if it is possible to arrange for it there will be considerable gain by doing some part of the potting before this late Easter.

Of eourse much depeads nom the weather, but as a general rule after the plants begin to grow there is an advantage in early potting, from the fact that the stoek becomes nieely established before the time arrives for the fires to be done away with for the season. It is doubtless poor economy to stop firing the greeuhouses containing tender plants too early in the summer, but after so long and expensive a winter as this has been, the najority of growers are anxious to ease up on the coal pite as soon as possible. During the next two or three months we find that plants generally take up a great deal of water, the combination of fire heat, sunshine aud strong winds encouraging rapill evaporation, and in addition to these circumstances it becomes necessary to ventilate much more freely.

Some nalms bleach out in color from exposure to the full sunshine, and while little or no permanent injury is done to them by this exposure, yet the possible purchasers of these plants are likely to find fault with such light-colored stoek, from the fact that they are unable to distinguish between a sun-bleached areea, for example, and one that has an attack of yellows. On this account it is best to pay attention to shading early enongh in the season to avoid the loss of color, but remembering that a much less dense shade is needed now than in July and Angust. Our practice is to shade the west side of the honses some
two or three weeks earlier in the season than the east side, thus giving the plants the benefit of the full light of the morn. ing sun for a time, but sheltering them from the glare of the afternoon, the date upon which the shade is applied varying aecording to the state of the weather. Late frosts and possible snoms in March are also quite trying to the shading material, but it pays better to lose an oceasional coat of paint rather than to have some of the best plants spoiled by a sunburn.

One of the most tedious operations in the fern house is that of pricking out into pans or flats the young seedling ferns that will now be growing more rapidly, the usual method being that of transferring the scedlings from the seed pots to the fresh soil in small bloeks or clumps, the transtcr being made with a smalt spatula or paddle of rood, and the seedlings being simply pressed gently into the surface of the soil, tor at this stage of growth there are few of them that have more than some tiny root hairs beneath the prothallus. There is some advantage in using sterilized soil for these seedling ferns, from the fact that such a practice kills the weed seeds and also fungus that may be present in the soil, the sterilizing being done either with steam or by baking stightly over a fire. And, trilling though some of these details may seem to be, yet they all count in the final result in fern eultare.

The usual time for the first trans. planting of seedling ferns is just as soon as the first finy fromds show among the prothalli, for at this time the seedlings are more readily moved than they may be after the fronds get up, and besides this gives the crowded youngsters a better "hance to expand. But these seedlings are very tenter and especially susceptible to iraughts, in consequenee of which it is hest that this work should be performed either in the fern house or in a protected portion of the potting shed, and as soon as a pan or flat is completed it should at onee be giten a careful watering with a fine rose on the watering caln, and then put away, being protected from full sunshine at all times.

Fungus and snails are tro of the chief diffieulties the grower of seedling ferns bas to contend with, either of which may do much harm in a few hours. The first is less likely to appear in a house that is well and carcfully vontilated, the object lieing to provide
plenty of fresh air and to dry up the superfloons moisture trom the miniature plants without cansing strong lranghts


The Late Frank H. Beard.
(Ser obituary pagr 37r.)
over them or exposing them to the full sun, bat it is sometimes very difficult to avoid an outhreak of fungus among the roung ferns when the weather hap pens to remain damp and cloudy for several days together, as is liable to occur in late winter and early spring. The snails have voracious appetites for voung fern fronds, and these pests must be watehed for and trapped.

The seedling fervs must at all times be kept moist, but all watering should be done early in the day iu arder to allow them to dry oft lefore night, and from the fact that these young plants have as rot hnt few roots it will not he foumd necessary to water them frequently. Allantum rhomphlyllam, A. Viptoria and $A$. Farleyense are among the useful ferns that are propagated by means of division of the frowns, these spocies having a babit of moducing a multiture of small erowns that may be rearlily divided, the divisions leing pithor planted in rows in a light soil, or same and rhopperl sphagnum moss, in a pronagating frame, that later being kout at a trmperatime of aboul $70^{\circ}$ and reasonably moist, or may le prieked out into pans of flats and tho latter placeal in the frame under the same ronditions.
If properly vared for these divided crowns will soon throw $\quad 1 \quad$ a frond or two, at the same time forming roots, and may then be fotter ofl into $O$-inch buts in mach the same manner as thangh they were swerllinges. All theme of 1 hase adiantmos are quite tember in the small stats, but the first two are frry berntiful little ferns for ferm. rrise nwing to their rompact babit and baren pimme, :mat the thire sperejes, or varioty rathers, is now lieroming so well known and atmirad as to need no fur. ther rewommendation at this time.
'1her nophrolepises that were planter mot on burnehes for stork Anring the lat. tor lart of tha wintor will now be growing frurly and throwing ont runuers in quantity. the young plants so lurnduced hring taken of from time to time and pottoml up into small puts, and
will be benefiterl by shading from the sun for a week or two until they eommence to root, after which the full light will encourage a shorter and more sturdy growth. W. II. Taplin

## Porch Palms.

Ed. Amehican Florist:-
Can palms be grown with success in a porch enelosed about the sides with glass and the roof and floor of lumber? The porch is eireular and is on the north side of the house, as shown in enelosed photograph. The dimensions are $50 \times 60$ feet and 12 feet high. Will it be neeessary to tile the floor? The palms would have to be grown in this poreli the year around. What temperature should be maintained, the heating pipes being connected with the boiler which heats the house? D. N. M.

A number of the hardier species of


The Late Charles T. Siebert. (See issue March 18, page 329)
palms may be grown in sueh a porch as that described, provided that a night temperature of $55^{\circ}$ to $58^{\circ}$ can be maintained by making attachments to the regular heating apparatus. If the space beneath the porch lloor is enclosed it would not be necessary to tile the floor. though it would be an improvement to tlo so, but if there is au open space heneath the floor that is exposel to the outer air, it would be better to lay a secomil floor with an air space between the two, so as to overcome the coldness of the llow in winter weather. The plants grown in such a structure would he inclimed to draw foward the light and conserpuently would need turning aromme about once a week in order to keep them upright.

If the plants are to he grown iu this enclosed poreh throughout the year, it would also be very necessary to make liberal provision for ventilation during the warm weather by having a number of the enclosing sashes movable. Among thre speeins of palms that are best adapted for such uso are Rhapis 1labelliformis, Chamarops cxecIsa, Kentia Porsteriana and K. Belmoreana, Phonix Canariensis, Livistona australis, livistona elimensis, and Cocos australis. W. II. Tarlin.

## WITH THE GROWERS

Adolphus Gude, Washington, D. C.

Adolphus Gude, senior member of the firm of A. Gude \& Brother, Washington, D. C., a portrait of whom is herewith presented, is among the most enterprising and successful growers of the national capital. Though growing a general stoek, Mr. Gude has for several years made a specialty of American Beauty roses, with whieh he has been very successful. In addition to managing their extensive range of greenhouses he finds time to attend to other important busincss interests. He is a prominent member of the Masonic fraternity, being eminent commander of De Molay commandery No. 4, K. T., of Washington. He was recently presented with a beautiful silver service by the nembers of the chapter of which he is past high priest. Mr. Gude is married and has an interesting family.
S. E.

## Hanseu \& Lundsted, Passaic, N. J.

Hansen \& Lmolsted, of Passaic, N. J., who started up their new greenhouses late last summer, now find it necessary to inerease the length of their large house by adding to it 100 feet. The entire length, when completed, will be 300 feet, with a width of 40 feet. The present house was erected by the firm themselves, the material being supplied by the John C. Moninger Company, of Chicago. At this establishment, whieh comprises 10,000 feet of glass in two houses, roses and earnations are principally growu. The earnations are looking very fine, and attest the skill of the new firm as growers. The varieties planted are Challenger, Mrs. G. M. Bradt, Toost, Flarlowarden, Fair Maid, Ethel Ward, Mrs. Lawson, Hinsdale and


Adolphus Gude.

Enchantress. The roses, which have leen handicapped by their late planting, are Brite, Pridesmaid, Golden Gate and Killarney. The product of the firm is taken almost exclusively by florists in Passaic and nearby towns.

## Desirable American Hawthorns.

## PART II.

Cratægus Durobrivensis, Sargent, belongs to a section known as the dila. tatre, characterized by usually medium sized, nearly globose, scarlet fruit, and with stout, broad, triangular calyx lobes, and broadly ovate leaves. C. Durobrivensis, is usually a tall upright branch-
esee valley, and extends more or less abuntantly into Canada. The large saucer shaped flowers, one inch or more in diameter, with twenty stamens, and dark erimson or maroon anthers, come into bloom during the last week in May. The erimson, oblong, glancous fruit, full and rounded at the ends, on large drooping clusters, ripens at the end of September,


GROUP OF CRATAGUS FORMOSA IN THE FOREGROUND.
ing shrub fifteen to eighteen feet in height, with olive-gray stems. It is a common species ou the banks of the Genesee river at Rochester and is found at Niagara Falls, and at London, Ontario. The large showy blossoms, with twenty to twenty-five stamens, and rose colored authers, on compound smooth corymbs, flower in the last week in May. The bright searlet, lustrous, globose, handsome fruit, ripens about the end of September, and persists without loss of eolor until the month of January. The persistent character ot the fruit of this species renders it highly valuable as a decorative plant.

Cratægus coeeinoides, Ashe, is somewhat like the last, but differs in the dark gray branches, smaller flowers, thinner corymbs, and the fruit is not nearly as persistent. This, however, is a bandsome species, as we saw it at the Arnold Arboretum. It is found from sonthern Illinois to eastern Missouri.

Cratagus formosa, Sargent, belongs to a section known as the pruinosæ, which is known by fruit of medium size, red, more or less five-angled, and always glaveous or pruinose, and leaves thick and leathery. C. formosa is a tall branching shrub twelve to fifteen feet in height, with a spreading head. It is not uncommou around Rochester, Buffalo and Niagara Falls. The large showy flowers with twenty stamens anil white anthers, on smooth thin corymbs, come into bloom about the last week in May. The glaucous, oblong, slightl. pear-shaped fruit, ripens about the first, or middle of Oetober, and is always characterized by abruptly reflexed red calyx lobes. The oblong-ovate leaves, usually round at the base, have a vers distinct vellowish-green appearanee throughout the season.

Cratrgus beata, Sargent, a pruinosa species, is a sprearling, handsome, tall, shrub, fifteen to eighteen feet in height, and frequently extends into broail thickets. It is common in the Gen.
and first of October. The leaves are deep blue green throughout the season. This species looks haudsome when in bloom.

Cratægus Dunbari, Sargent, belongs to a section known as the tenuifolx, with usually oblong, pear-shaped, medium sized crimson fruit, and with leaves usually remaining thin throughout the season, and geuerally smooth in all parts. C. Dunhari forms a llense round-topperl shrub twelve to fifteen feet in height, and is a common plant on the hanks of the Genesee river at Rochoster. It has not yet been reportal west of Buffalo. The ten stamencl flowers, with rose colored anthers, on long compound corymbs, come into bloom about May 30. The
erimson, large, drooping clusters of nearly globose fruit ripens towards the end of September. The leaves are very distinct, and are oval to nearly orbicular in outline. There is a very handsome individual of this species near the old Pan-American grounds at Buffalo, which last fall looked very striking, loaded with its showy fruit.

Cratægus Baxteri, Sargent, is in a section kuown as the intricata, characterized by usually orange-red fruit, ten stamens, and yellow anthers, and mature leaves smooth. C. Basteri is a much-branching spreading shrub, with a broad head, twelve to fourteen feet in height. It is common on the banks of the Genesee river at Roehester, and seems to extend into Canada and Pennsylvania. The ten stamened, white anthered flowers, in eompound smooth clusters, cone into bloom about the first week in June. The nearly globose urange-red fruit, ripens about the middle of October. The leaves are dull bluish-greest throughout the season, nearly oval in outline, and are always marked by a peculiar concavity of surface. This species is very listinct, handsome, and easily recognized.
Cratagus Laneyi, illustrated in the Americin Florist of Febrnary 11, belongs to the section tomentosa; the species of whieh are known by somewhat small jear-shaped, to short oblong fruit, the mutlets penetrated on the inner faces by a marked eavity, and by leaves that commonly taper towards the base. (. Laneyi forms a tall shrub ten to twelve feet in height, with slenNer sprealing branches. This speeles scems to be rare and local, aull at present not mori than two or three individuals are known iu Genesee Valley park, Rochester, where it was first found. In a hurried glance in a conse at Gananoque, Ontario, the writer, two rears since, thinks lie identified a group of it, hut woold like to see it again to he sure. The large flowers with fifteen stamens, anul white authers, on large rorymbs, covered with shaggy hairs come into hoom dmring the first week in June. The subglohose orange-red trinit, rijens Oetaber first. This showy *repies is namel for Calvin Cook Laney,


CRATEGUS BAXTERI.

superintendent of the Rochester park system.

Cratagus ferentaria, a tomentosæ species, forms a tall handsome shrub, with stout spreading stems fifteen to eighteen feet in height, and is a common suecies in the Genesee valley. The flowers, with ten stamens, and creamy yellow anthers, on shaggy, hairy, large corymbs, blosson during the last of May. The small, short-oblong, crimson, lustrous fruit, in broad, large, drooping clusters, ripens after the middle of September and soon falls. The leaves are oval, tapering towards the base, lustrous, thick, dark green, and verv attractive. The leaves turn to a handsome jellow in the autumn, and fall before most of the other hawthorns.

John Dunbar.

## Syringa Villosa.

Among eleven or twelve species of lilacs known in cultivation, the northern Chinese lilac, Syringa villosa, is one of the most beautiful and useful. The numerous individuals now in cultivation have all been disseminated from plants raised from seeds sent to the Arnold Arboretum about thirty years ago by the late Dr. Bretschneider, a member of the Russian legation at Pekin, China. It usually comes into bloom here about the latter part of the first week in Junc. The pale rose colored flowers are produced on numerous dense, elongated thyrses, and are fragrant, although not possessing the strong fragrance of the common lilac, Syringa vulgaris. The large, handsome ovate leaves are pale beneath, and covered with slender pale hairs, particularly on the veins.

It is perfectly hardy, easily trans. planted, and planted in well drained, light, loamy soil it soon develops into an ornamental shrub of the first order, from four to seven feet in height. The illustration shows a group of three plants in the lilae collection at Highland park, Rochester, N. Y., planted about six years ago.

John Dunbar.

## THE ROSE.

## Cultural Notes.

About this tine, owing to an unusual amonnt of twiggy growth which makes tying too much of a good thing, it will be found necessary to do a little judicious proning, only trimming out what cannot be tied up to advantage. The best of euttings can be seleeted from some of this Wood, and if propagated at once will make fair sized plants for late June planting. Another thing that should be attended to regularly is the tying back of all the buds hanging over the walks; many fine flowers are broken oft or injured by not attending to this work. Besidles, the stems become crooked or otherwise unfit for use. A general tying is now in orfer; I should say, a general overhauling should be given the roses and the neeessary attention roses require in the spring, as it is now only a few weeks from Easter and every bud should count.

As usual the roses are more or less neglected when the spring rush of work comes around, and it is a good plan to get them in good shape while there is yet a little time. To produce high grade stock throughout the season it simply means that they should receive daily attention. Competition increases annually and it is only by producing the very best that we can be sure of profitable returns. Where it has been found necessary to mulch heavily either by covering the soil entirely or by placing the manure in piles, in no case should it be allowed to become caked or packed but should be loosened up some. The piles can be leveled if well rotted. The spring mulch is a great producer of weeds, which should be taken out before they get too large, otherwise the manure will come away with the weeds, exposing or disturbing the roots.

This is also the time to do some careful ventilating, increasing and decreasing the air gradually; the hardening of the plants preparatory to cutting off the artificial heat can only be accomplished by proper ventilating.


CRATEGUS DUROBRIVENSIS.
(Fruitan branfol in Jonuary.)

We should try and be sure of a bright day for syringing, particularly just after our fires have been stopped, in order to have the foliage well dried off before the sun leaves the houses, if we wish to avoid a dose of black spot or mildew. Now we come to one of the very important details, disbudding. At no other time during the season do the plants need more attention than now in this respect; the lateral shoots make such rapid growth that unless removed frequently they will take the strength from the main bud and injure the color of the buds also. It is a good idea to look ahead, say one crop at least, in growing roses, and whatever you may be doing at present, be it pruning, cutting the buds, watering, etc., work with the intention of building up and inıproving the plants for a future crop.
E.

## Heliotrope and Lobelia.

Year after year some growers are compelled to throw quantities of bedding plants in the rubbish heap just because they were not in flower when the time came for disposing of them. This can especially be said regarding heliotrope and lobelia, both ordinarily good sellers when the plants are thrifty and in bloom. But who wants them without a single flower visible ${ }^{\text {\& }}$ To avoid this with heliotrope, cuttings ought to be put in early, if not before, certainly now, and when rooted, potted into pots of the smallest size, keeping them shifted as they require it until they are in $31 / 2$-inch or 4 -inch about the midale of April, to be in bloom and for sale by May 15 at the latest.

Lobelia in nearly all its varieties should also be sown now, if not before, and when the seedlings are fit to handle (they are never very easily handled), they should be pricked off into shallow flats, singly. 1 wish to emphasize singly because I have found that when lobelia is pricked off in bunches, as is sometimes done, it damps off much more readily than when this is don? singly. After they have nearly grown into each other in the flats, it will pay to pot them into thumb pots and out of these into at least $21 / 2$-inch pots; 3 -inch would be better at selling time, with the tops of the pots covered with flowers; then they would sell all right.

David McIntosh.

## Amaryllis Johnsoni?

Ed. American Florist:-
Can you tell me the name of my amaryllis? I have two, both of which were supposed to be Johnsoni, but they are different in color. The one which I think must be the true Johnsoni has four blooms to each stem and it is a rich dark red with a white stripe down the center of each petal. The blooms are about five or six inches across. The other is a brick-color and carries a green stripe on each petal, which runs to the very tip of the petal, and there are but two blooms to each stalk.
A. 0 .
"A. O." is right about Amaryllis Johnsoni. The name of the other is Amaryllis aulicu var. glaucophylla. A splendid colored plate of this variety may be found in the Botanical Magazine, No. 2983.

Robert Cameron.

## THE CARNATION.

## New Sport of Enchantress.

A sport from Enchantress bas been found in the Brown Floral Company's establishment at Canton, O. It is called Mrs. Ida McKinley, and the growth and size of the bloom and freedom of blooming is said to be equal to its parent. The distinction from the parent is color and a strong clove fra grauce, which is claimed to be a strong point in its favor. It is a delicate pink, a shade lighter than Joost; the base of the petals is darker, blending to a lighter pink toward the pips when fully expanded. The Brown Floral Company has named the variety Mrs. Ida MeFinley in honor of the widow of our late president, William McKinley The flower has been shown and admired by her, it being her favorite color.

## American Carnation Society.

carnation sports.
Prior to the advent of Lawson, carnation sports were of such rare occur rence that when one did occur, it could be named and claimed by the grower with whom it occurred as his origination, or at least as his exclusive stock Since Lawson and its descendants havo come into existence, all claims to exclu siveness in the ownership of a sport must be laid aside, as it no longer exists Evidence of this fact could be used, enough to fill this edition of the American Florist, but it is not neces sary to go beyond the White Lawson. With how many growers did this appear in one year? Answer this for yourself and you have the answer to all the others. Today we are having the same thing in Enchantress and M. A. Patten.

The three Lawson sports that are being sold commercially are through the wisdom of the men introducing them, being sold exactly for what they are, White Lawson, Red Lawson and Vari. egated Lawson. There are true pink Lawsou and light pink Lawson and Enchantress sports and Patten sports galore to come, and it is to be hoped that the growers will consult their own interests and avoid con fusion by leaving off all special names and selling then for pure pink Lawson and light pink Lawson, following with a description of their color, etc.

Two of these light pink Lawsons have been registered through an oversight of "yours truly," and several more are claiming recognition, so that there would be endless confusion in this color alone if they were given independent names with each grower with whom they occur, and on the strength of these facts this society can not in the future register any sports excepting under a descriptive and uniform name. The three Lawson sports being offered commercially have also been shown at thr meetings of this socicty anl at various club shows; this is not only conmercial wisdom on the part of the owners, but the only way in which they can be properly disseminated.

To show them before this society is the one and only way in which to get them before all of the best carmation growers at one time, and next to that, in order to reach a still greater number, the various club shows can be used. As an illustration, if Smith shows his
"'light pink Lawson', at Boston next meeting and it strikes me as a good thing, I would buy my cuttings from Smith, no matter if Jones, who claimed to have the same thing, but did not show it, would offer it at half the price asked by Smith.

Albert M. Herr, Sec'y.

New York Florists' Club.
A regular meeting of the New York Florists Club was beld on Monday evening March 13 , in the club rooms. Although it was to be "rose night," the exhihits of roses presented were few in number. John some vase of La Detroit, the specimens consonie vase of La Detroit, the specimens conseen at the club. $P$. Bisset, of Washington,


SYRinga villosa in highland park, ROCHESTER, N. y.

## MARKET GARDENS.

## Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 18 were as follows: New York, cheumbers, No. I, $\$ 1.25$ to $\$ 1.50$ per dozen; No. $2, \$ 2.50$ to $\$ 3.50$ per case; lettuce, 75 cents to 90 cents per dozen; mushrooms, 25 cents to 65 cents per pound; radishes, $\$ 3$ to $\$ 4$ per 100 ; tomatoes, 10 cents to 25 cents per pounl; rhubarl, $\$ 3.50$ to $\$ 4.50$ per 100 bunches. Buffalo, cucumbers, $\$ 1$ to $\$ 1.50$ per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, $\$ 0$ ner dozen. Pitts. burg, cucumbers, $\$ 1$ to $\$ 1.50$ per dozen. Detroit, rucumbers, \$2 per dozen; lettuce, $1:$ cents to 14 cents per pound. St. Louis, cucumbers, $\$ 1.50$ to $\$ 1.90$ per dozen. C'hicago, mushrooms, 20 cents to 50 cents per prounc. Denver, cucumbers, $\$ 2$ yer lozen. Cincinnati, cucumbers, $\$ 1.50$ to $\$ 2$ per lozen. Kansas City, mushrooms, 40 eents per pound.

Montrelier, Vt.-Emslie \& Broad. foot are arranging to afld a vegetable growing clepriment to their greeuhouse establishment this spring.

Maryvilef, Mo.-C. H. Hollied is still doing business at the old stand and has not sold out as was erroneously stated in these columins several weeks ago.
D. C., showed his new pink seedling in fine form, and it was much admired. $F$. $R$, Pierson Company, of Tarrytown, N. Y. showed the Raby Rambler flowered, grown to perfection. The comments on this variety were both numerous and landatory. The same concern showed some fine carnations Variegated Lawson, White Lawson, and Daheim, crimson: a vase of killarney reses, and a specimen of Nephrolepis elegantis sima; last, but not least, was an exhibit of Nepire by scotio in a graduation of sizes, made by Join scote, of Broonlyn. A vote ${ }^{0}$ r 4 Shaty for the outing exmmite. ported that the resort at Glewwod hed, ree porgaged for Wrednesday June ${ }^{2}$, steanter "Isabel" for trausportation Dane Steamer Isabel for trausportation. Danne McHutchison, R. M. Schultz and Willan Weber were elected to membersbip in the club, and IW. G Johnson, of New vot we nominated.
The new set of rules governing the exhbition of novelties and disseminated varicties of plants and flowers at the club wern presented by the chairman of the committee on awards, Patrick OMara, and after the coll sideratiou of the eame, section by section. were on motion adopted. They are as iollows
rule 1. The committee requires that the initial exhlbit of new varieties of flowers or plants be made at a regular meeting of this clab, and the exhibitor shall rotify the secretary at least ten days prior to the meting at which he proposes to exlibit. RuLER Anyome showing a Losilty with the intention of obtrining the clutis endorsement in any way the conmittee may recommend shall conform to the rules laid down by them for their guidance as herein stated. RULE A. Any exhibit of a bovelty in cut flowers at a regalar meeting. if considered of sufficient merit by the committee, they, or at least three of them, shath be empowered to yisit the place where it is growing, and hey deem after suffcient mon of the same, they deeordingly sut it in there they shall award accordingly: bnt if, in thelr judgtill a second risit shall be made, they shat be at liberty to so decide made, they shal

RULE 4. The bighest award for flowers or plants shall be the silvar medal of the the next "highly commeuded," the next 'honorabie mention.
RULE 5. In judging carnation fowers at the exhibition in the club's meeting room, the scale of points adopted by the American Carnation Society shall be adopted as folows: color 25 ; size 20 ; calyx ${ }^{\text {; }}$ stem -0 d
substance 10 ; form 15 ; fragrance 5 . Sbould the variety judged score 8 points or more a preliminary certificate shall be granted to it. In judging the variety where it is growing, the following scale shall be used: condition 15; productiveness 15 ; color 15 ; size 15 ; calys $5 ;$ stem 15 ; substance 5 ; form 10 : fra-
grance 5 . Should the variety score 85 points or more the final award shall then be made. If it fail to score 85 points or more, the preliminary certificate shall he withdrawn and public notice given of said withdrawal.
RULE 6. In judging rose flowers at the exhibition in the cluh's rueeting room, the bcale of points adopted by the American Rose Society shall be used as follows: size 10 ; color 20 ; stem 15 ; form 15 ; substance 10 ; foliage 15; fragrance 5 ; distiuctiveness 10 . In judging the rariety where it is growing the following scale shall be used: condition 15 productiveness 15 ; size 10; calor 15 ; stem form 10; substance 10; fragrance award on carnations shall apply also to award on carnations shall apply also to
roses. Rule 7. In judging chrysanthemums at the exhibition in the club's meeting room, the scale of points adopted by the Chrysanthemum Society shall be used as follows Color 20 Form 15 Fulluess 10 Ftem 15 Substance 15 Substance The final award shall be made on chrysanthemums at the init
Rule 8. When a new plant such as will be grown in pots, or in the open ground generally, is brought to this cluh's meeting, if the committee is sufficiently satisfied as to its distinctive merits and other qualities, they shall be empowered to give final award without further examination.
RULE 9. In judging plants or flowers other than the foregoing, the committee special society covering the exhibit, if any exists; or they may juage them by any other method at their discretion.
RULE 10. All reports of the cammittee shall be entered in a book kept for said reports, and all reports shall be signed by the members making same.
RULE 11. The committee recommends that the expenses necessarily attending the traveling, etc., to examine novelties where they are grown, shall be paid by the exhibitor We firther recommend that after the inltial exhibit be made in the club's rooms and the committee requires further investigation that the party exhibiting such novelty
shall be notified by the secretary that if shall be notified by the secretary that lf
he wishes the committee to go to the place for further examination he must forward the amount in cash to the secretary of this rlub necessary to cover mileage, etc. The chairman of this committee shall first ascer-
tain what such expenses would he and adtain what such expenses would he and ad-
vise the secretary of the amount, and in no case where the money ig not sent in advase where the money is not sent in admake the visit.

RULES GOVERNING EXHIBITS
The following are the rules governing the xhibits of disseminated varletlea:
RULE 1. Competitive exhlbits of flowers judged by the scales governing same as pro vided in the rules for novelties, excepting ing scale shall he used: size 15; color 20 stem $20 ;$ form $15:$ substanre 15 ; foliage 15.
RULE 2. The awards under the rules for disseminated variptles shall he: First, "Award of excellence for culture"; second, RULE 3. All pxhihits at club meetlags not embraced in the formgoing shall be judged by a sperial commitiee appointed by the presldlag officer with the appraval of the cluh.
Rutse 4. Should less than thren members of the commlttee of awards appear at a regular meetlog when exhlhits are to be judged, the preslding offcer shall, with the approval of the club, appoint others to expire at the closp of the meettig.

SPECIAI
Whrn the committee visitg the plare where
plants or flowers are grown, for the pur-
pose of making final inspection, at least three of the committee must be present before final award is made.
Under the head of new bnsiness the questions taken from the question hox at the last meeting were again presented. "What is the most valuable characteristic in a rose was replied to by llarry O. May, tho deplored the small space of time important a question. IIe ronsidered that one quality in a rose was hardly less valuable than another. All things considered he would be inclined to say "form." A rose with form, however, might not be prolific. Again, from a commercial standpoint "stem" would be most desirible, and most apt to suit the commission man. From an exhibition view "beauty" is looked for. He quoted the late Dean Hole's summing up of what should characterize a rose-form, abundance of petals, graceful arrangement within a circular and symmetrical outline, and next to that color. The latter seemed to be important to many. The American Rose Society laid great stress on color. Stem was certainly an important quality but, he said, one of the most beautiful the Marechal Neil. Bride and Bridesmaid


Floral Arrangements at Dusseldorf-Fig. 1.
were the fancy today, but without
Robert Simpson thought the American Rose Society was ahout right in letting their judgment run to color. If one of the specimens staged before him had the color of Liberty it would be the most beautiful Liherty was, he thought, pre-eminent among roses on account of its bright, beaw May dazzling color. He believed were popular only because of their form.
Patrick O'Mara's view was also that there was no one principal characteristic in a rose for all purposes. color in rorcing roses was perhaps important, but constituhon could not be overlooked. It was his apminan that in a rose, or any other piant, to look for. He instanced the Baby Ram bler on the exhibition table, which he claimed was responsible for its growing pop-
ularity on acconnt of its propensity to do ularity on acconnt of its propensity to do wrll under most adverse circumstances. remarks taken as applying to anything but forcling roses.
W Wat is the most valuahle characteristir n a carnation," was answered by John Birnie, as follows: I say-withont hesita-thon-its keeping or lasting qualitias, for of What value are all its other characteristies, few hours after leaving the grower's establishment? That is the specific answer to the
answer would be completed without touching briefiy on the cause or causes of the carnation going to sleep. Nuch has been said, and much has been published in the trade press on this subject so that it is pretty hard to say anything new. However, the fact remains that some carnations go to sleep, and it is up to those who grow and those who handle these fowers to find out the cause and apply the remedy. That the grower himself is responsible in some cases with chemical manures, will wion chemical warna seen instances of it Heayy fumigating bas seen instances of it. Heayy fumigating has to pick the fiowers. improper ventilation keeping the houses too hot pither night keeping the bouses too hot either night on day; and injudicious watering, are some of for. Of the causes ahove mentioned I think overfeeding is the most common. The keep ing qualities are sacrificed in the attempt to get large fiowers. Next comes overheat ing. I read in one of the papers lately that Enchantress gave the hest results at $56^{\circ}$ to $57^{\circ}$ night temperature. 1 am sure carnations grown under these conditions must suffer both in strength and stem and keeping qualities. Picking the fiowers is also an important matter. Some varieties can be left on the plants until fully de veloped, while others are better when picked hefore they are quite open. This the growe finds out by studying the varieties he grows.

Flowers in which the female organs are abnormally developed are more apt to go to sleep than those without that peculiarity, more especially in fall and spring when considerable ventilation is necessary, and the pollen is carried around by the wind or by insects. But the trouble does not all rest mission grower by any means share of the hlame wan has to take hisge commission store in Ahers will give the grower a jar. There he will see the flowers that he has watched over and cared for, for months to the best of bis abillty, handled in no gentle manner, the flower that he picked and made haste to get into water, packed as carefully as he could, put the boxes on the express wagon as if they were full of eggs, told the express
man that he must be extremely careful of, man that he must be extremely careful of, are, in some stores, lying on ihe counters,
and under the counters in heaps. Some and under the counters in heaps. Some-
times they may lie for hours. If eventtimes they may lie for hours. If event ually they are put in water so mane that the fiower has no chance put in a vase that the fower has no chance
to develop. The limit is reached only when the vase will hold no more stems.

That the carnation will recuperate and mprove after being taken from the shipping box goes without saying; a case in pa when we met in Elfs ball 4 cara tion was we metrm Eiks balio A carna judged by our jugedied in the ante rom taken into was mon an hour afterwards a mamber of the com mittee called the attention of his colleague to the fact that the fowers were better then than when they were passed on They therefore re-ovamined and gave it 87 points One important matter which does not seem to be fully recognized either by the growe or conmission man is the fact that bome carnations are more delicate than others and require far more care both in packing and require far more care both in packing and in handing. Enchantress is one of them. handled, it will stay zwake as long as the average carnation. I have kept it in my own sitting room for ten days in good shape. Marquis was another good fiower that had to succumb to rough handing
The carnation is no doubt the most popular flower in commerce at the present time and will certanly retain that popularity if due care is exercised in handling it. The grower is constantly improving his methods at great expense to himself, as is shown by the improvement in th
Is the distributor improving his method the same rate? Is be as particular abou ventilating his store as the grower is about ventliating his greenhouse or flower room? Daes he put flowers consigned to him into water as soon as he can after recelving them? Does he pay any attention at all to the temperature of bis store, and does be understand that all carnations, in fact all flowers, require gentle handling? Does he see that his employes handle the flower as they should be handed? in short does the average distributor give the same
"Wrat in tho most valuable charact a fern'" brought nawers from Jamest in a tern John Scott The former beliere "keeplng John scot. The fort believe The beautiful Farleyense could not be sur-


#### Abstract

passed for beauty, but how few could grow it. The success of the Boston fern was proof that keeping qualitics were the most essential in a fera. John Scott considered adaptahility most important. Commereial ferns should be free growiug, symmetrimal and graceful. "What is the most, valuable characteristic in a chrysanthemum" was answered by ". H. Totty who was called upon in the absence of Nm. Duckham, and was therefore unprepared. He thought the quality should be adaptability. It was certaioly everybody's fower and fourished equally well in the conservatories of the rich and che quarters of the thought, was second to no other mum, he thought, was second to no other flower show in New York any time without the chrysauthemum. Roses and carnations at these shows take back seats," J. N. May asked why the chrysanthemum should be considered second to none when it only existed a few months in the year and the rose and caroation were obtainable the year around. Mr. Totty admitted the argument but said that when chrysanthemums were in everything else dropped out of sight. Questions taken from the box for next meeting were: "Are carnation growers more progressive than rose growers?"' and "Is floriculture in the Uuited States as far advanced as in Europe? Resignations were read from Geo. W. Crawbuck, and Charles Millang, and accepted. After adjournment Chalrman J. B. Nugent, Jr., of the house committee, presided over a hot turkey and dispensed liberal portions of the same in sandwich form, and afterwards sang "Bluebell" in good form. Allie Bunyard and Alex Wallace contributed songs.


THE RETAIL TRADE

## A Correction.

In the sketch of the inaugural ballroom decorations, by the writer, in the issue of the American Florist for Mareh 11, the number of bricks in each column in the Pension building is given as $1,000,000$. Whether the error is clerical or typographical, depenent saith not. The correet number is 100,000 to eaeh eolumn.
S. E.

## Floral Arrangements at Dusseldorf.

We present herewith two additional illustrations of exhibits at the International Horticultural and Floral Exhibition of Dusseldorf, Germany, September 17-20, 1904.

Figure 1 represents a floral exbibit exclusively of various shades of blue arranged by Seyderhelm Brothers, of Hamburg, decorators to the emperor, for which the following plants were brought into use: Vanda cœrulea, echinops, eryngium, scabiosa Caucasica, Polypodium glaueum and blue selaginella.

Figure 2 shows an exhibit by Rudd Bohm, of Dresden. This might have been called the most artistic combination of floral arrangement, and therefore filled the condition of its being a perfect specimen of art in floriculture. The pictures used in this arrangement represented Prinkenau castle, the native place of the German empress.

## New York.

MARKET IMPROVES.
Towards the end of last week the market showed a slight improvement, stock on Saturday eleaning 11$]$ fairly well. The few days of real spring weather prior to Sunday, however, had a disastrous effect on the market at the opening of the present week. Stock came in avalanches. Roses suffered most, and prices were borne to figures


FLORAL ARRANGEMENTS AT DUSSELDORF.-Fig. 2.
which even the buyer might ipplore American Beanty roses suffered worst of all. Extra selected specials were sold on Tuesday at 15 cents, and even lower, and specials in general went off at 10 and 12 cents. For the sake ot the trade it is to be hoped that repurrences of such a slaughter will be few and far between. Bride and Briles. maid in the special grades even when selected brought no more than 6 cents, and sales of this class were so few that those making them considered themselves in luck. As an asking price it was "off" and sales of specials were generally at the 5 cent figure. Carma tions are still over plentiful, and do not bring over 5 eents, and that figure applies almost exclusively to coutrolled novelties. Ilere and there, under conilitions, a novelty sale might reach 6 cents, but eoulil not be considered a figure in the market. Violets have, figuratively, gone to pieces, and the trade in them is almost wholly apportioned to the street men, who weary the commission men in their efforts to buy fresh stock at the minimum figure. Cer tain hulbous stock sells better on aeconnt of its seareity, warcissus bringing as high as 30 cents per bunch, and good Haffodils a point or two higher than hefore. Pansies are in demand, but in poor supply. Tulips are on the plentifnl side, and in consequence move slowly. With the market in its present condition shipping orders of course are filled only at mueh lietter prices, and quotations for out of town trade are materially advanced; but such business has dwindled much under the present low demand.

NOTES
Monday and Tuesday were black days around Twenty-ejghth street. The commission men were not in their usual mood for "kidding," and were in general depressed ly general conditions. Une referred to his slip making machine as "his bridge of sighs;" another declared his eyeglasses were unfit for use after making out his grower's returns, owing to the scalding tears he shed.

St. Patrick's day was the cause of a little impetus to the retail trade. Shamrovk potted sold well, and decorative pieces in Irish designs were in good demand. President Roosevelt eame to the city to take part in the celebration, and enioyed the parade of the Irish societies. John Mallon, the Brooklyn florist role at the head of the Ancient Order of IIibernians.
Peter Verona, a young Greek, is in custody on a charge of selling rights for vending articles on the elevated railroad system. Fifteen men in eourt said he had sold them "rights" to sell flow. ers and peanuts.
John Scott of Brookiyn is justly jubilant over the condition of his Easter lily stock. He says it will be quite as good, or hetter, than last year's, and his oriler book is filling satisfactorily.

Ford Brothers have just eompleted a mammoth ice box in their new Twentyeighth street store, and will have completed the removal from their present quarters by the end of this month.

The Madison howlers are to meet the New Yorkers on neutral alleys Friday of this week in a final game. The Tuxedo allers, Newark, N゙. J., have been selecter.

Alfred Dimmock, the well known representative of sander \& Sons, St. Allans, Eng., was expecter in New York last Saturday on the S. S. Lucania.
The new wholesale firm of Seligman \& Trepel has been dissolved, and John Seligman will continue the business alone.

James MeManus reports the demand for orehids fairly good just now and his stock shows that he is as usual, prepared to meet it.

Julius Roehrs has returned from his trip to southern elimes, with improved health.

## Chicago.

IENTEN SEASON SHOWS EFFECT.
The usual Lenten season quiet prevails in the local market but the conditions are much brighter than last week, the clemand having apparently taken an upward turn and the prices ruling some. what stifier than for some time past Shipping trade bears up in good shape and upon this outlet the grower and commission man depeuds to keep stock from the ice boxes and the dump. Carnations are in heavy supply and quota. tions read low indeed for the quality of the average stock. Rose prices have stifienel perceptibly. American Beauty of the best grades are in good demand and many more could be handled than are being cut by the Chicago growers. Cheaper grade American Beauty are not so easy to move, however, and prices are sacrificed in order to keep them going. There are enough violets for all purposes and bulbous stock, while not a ghut, continues to stand comparatively still. Green goods are holling a stearly call and prices are consistent.

## Notes.

J. B. Deamud, who has been appointed manager of the ammal exhibition of the American Peony Society, which will be held June $1^{7}$ and ls, announces that preparations are going rapidly forward and a successful meeting is assured. 'The exhibition will be held in the banquet hall of the Andito. rium hotel.

Bassett \& Washburn, besides a heavy spring business, are occupied with extensive building and improvements at their Hinsdale ranges. We expect later to give a full description of the new houses, which will be models of modern greculiouse construction.

On Thursiay of this week, the exhibi tion of Easter stock is being held iu Handel hall, under the auspices of the Florists' Club. George Asmus, the man ager, is taking pains to make it one of tho best spring exhibitions held by the (r)ul.

The Howe \& Taylor Manufacturing Company, the new wire desinn manufac turers located in the Flowar Growers' Market, are encouragel with an auspi "ious start.
Siollary Lrothers have boen more than sucerssind witla their season's storls of miscellineoms plants and their liaster supply will ho of exeeptional quality.
 his, ul $^{\prime}$ in the thousimds to Cincinnati this week, which aided considerably in Fuwping his supply lever with the boart.

Manager lepey Fomos, of the Market. anticipates a liettor than sumerago Faster trade this yarar, with Irospects for flenty of gomi stuck.

Mrs, C. De Wever, of St. Louis, Mo., formerly of Vaughan's seed store, is reported seriously ill in the former city.
J. A. Budlong is showing Bridesmaid roses and Lawson carnations that run on a higher level than average stock.

Wietor Brothers have commenced the chrysanthemum plant season with an extensive list of varieties.

James Hartshorne, of the Chicago Carnation Company, is in Philadelphia this week.
A. L. Randall Company is preparing for an unprecedented spring activity.

Visitors: J. Louis Loose, Washington, D. C.; C. P. W. Nims, representing A. H. Hews \& Company, North Cambridge, Mass.; F. J. Foster, St. Louis, Mo.; Robert Miller, late of Gregson, Mont., enroute to Boston, Mass.; W. J. Brown, Ji., Jackson, Mont.

## Boston.

## THE MARKET.

While the prices have not changed much the past week stock has been selling much more freely, with the exception of roses of all varieties, which are very druggy. The warm weather, the thermometer at this writing being $70^{\circ}$ in the shade, will advance stock rapidly so that there will probably be another glut next week all along the line. Carnations and violets while but little higher in price have been selling freely this week, due in large measure to the local demand. Bulbous stock of all varicties has held its price and is selling well. Plenty of white stock is now being brought into the market and is bringing from 3 to 4 cents, and is used largely for funeral work.

## notes.

The Gardeners' and Florists' Club held its monthly meeting March 21; the address of the evening was by William H. Elliott, of Brighton, the subject being, "My Trip to the West Indies.' Owing to its being exhibition week a large number of visitors were present. On March 18 the elnh visited the greenhouses of W. W. Rawson, at Arlington.

Jeremiah Morrigan, of East Foxboro, the well known violet grower, died on Frillay night at his residence. He was about 70 years old, and had been a stockholder in the Boston Co-operative Flower Growers' Association from its inception.

James W. Newman, of Belmont, who formerly kept a retail store on Washington street, has filed a petition in bankruptey showing liabilities of approximately $\$ 7,000$, with nominal assets of about $\$ 3,000$.

Mrs. Sutherland has sold out her Promfield street store to Sidney Hoffman. This now makes three stores which Mr. Moffman controls, the others heing on Commonwealth avenue and in Cambridge.

John I. Gurney held the first meeting of his ererlitors on Thursclay of last week. His liabilities amount to about $\$ 2,000$, with practically no assets. He formerly kept a store in Dorehester.

Eilward MacMulkin, of Boylston strent, hat an odd window display this week, consisting principally of various kiluls of vegetables aml fruits, with a background of bulbous plants.

Henry Penn had an effective decora. tion made up entirely of white flowers, including roses, carnations, eyelamens and Jmlhous plants. It has attracted general attention.

Welch Brothers are now receiving large shipments of the Killarney rose for which they are the exclusive agents in this eity.

The Boston Cut Flower Company has had an elaborate display of jonquils and daffodils the past week.

Norton, the florist, of Park street, did a big business in shamrocks on St. Patrick's day.
H. P. S.

## Philadelphia

low prices rule.
There has been a shake-up the past week and things are different; prices are away down. Special American Beauty roses can now be bought for $\$ 4$ per dozen. Teas are also much lower, the special Bride and Bridesmaid going for $\$ 10$ per 100. Carnations have also suffered, and $\$ 3$ will now buy the best Enchantress and all the other fancies except a few special extras. Snapdragon is coming in nicely and makes a welcome addition to the assort ment. It shows up well as a window flower and keeps well. All bulbous stock is very plentiful but seems to find a market at $\$ 2$ to $\$ 3$ per 100 . Greens hold out well and the demand is good; in fact smilax is searee and good stock readily brings 20 cents per string.

The day of the street vendor of eut flowers is just at this time not very rosy. Since the law was enforced some six weeks ago a number of them have been arrasted at intervals and fined $\$ 7.50$. Some claimed they would gladly pay this sum if allowed the privilege on Saturday at least. Those with cases who rent the privilege from storekeepers are not molested, although judges have decided that the sidewalks belong to the public and no one has a right to receive rent for use of same.

Faust, of Merion, is well pleased with his house of Adiantun Croweanum and will erect another one, a third larger, the coming season, to be planted with the same variety with perhaps a few A. Farleyense.

At the market they are receiving John E. Haines' new scarlet carnation

The Leo Niessen Company is still receiving some good freesias.
W. K. Harris made another great hit with his shamrocks.
K.

## Baltimore.

trade fairly active.
During the week we have had some fine weather, a clear crisp air, radiant sunshine and seasonable temperatures, just such as roses delight and thrive in. The result is an improvement in quality and output, all around. Carnations are in excess, and violets soon will be though there is a well-maintained demand for them. Trade has been fairly active, the improvement in weather conditions giving a little more swing to business. The usual funeral requirements keep up and the sending of flowers to the sick is a custom which is appropriate to and largely followed during the season of Lent.

The Gardencrs' Club at its annual meeting last Monday night, had a much larger than the usual attendance and the members feel encouraged to hope for a revived interest. The election of officers was animated, especially for the presidency. Philip B. Welsh was elected to that post over Frank C.

Bauer, who was made vice-president. The contest was a good natured and personal one, there being no variation of policy represented by the two candidates. Mr. Welsh is a young man, with a good deal of energy and is mak ing his way to the front iu the trade and as chief execntive of the club can be depended upon to use all his resources to enlarge its usefulness. He has a steadily growing place at Glyn don, and makes a specialty of carua tions, doing also a large business in plants for Easter. Mr. Bauer's place is at Govanstown and he too is one of the rising men in the florists' line, active resourceful, energetic and experiencell

The other officers selected were John J. Perry, recording secretary; George Talbott, financial secretary; F. (r. Ber ger, treasurer; Charles M. Wagner Jibrarian. After the meeting there was a banquet and speeches were made and toasts drank. It was reported that more members were in attendance than for several years.
S. B.

## Buffalo.

With the weather all that one could wish for trade has been good. The supply of stock has been equal to all de mands. Daffodils have sold several times in the stores at 25 cents per dozen and violets have been sold on Saturday at 25 ceuts per bunch. Roses are quit fine and the only hope is that weather conditions will be favorable for Easter

The business of E. J. Buxton, 1103 Niagara street, has been bought by Mr. Wells formerly with C. D. Zimmermanu. According to reports from Manager Keitsch the Sweeney Company's spring show will be a hummer. The carnation exhibition will be a feature. That part will be international as Canada has promised some exhibits, and the western carnation men are with us
The business of J. H. Rebstock has been incorporated and a stock company formed. The name of the corporation is the J. H. Rebstock Company.

Otto Gillis, well known to the trade from his newspaper career, is now in W. F. Kasting's office.
C. A. Harris formerly of Rochester is now with S. A. Anderson.

Bison.

## Los Angeles.

Trade has been excellent the past month, and the supply has uearly equaled the demand, but seldom exceeded it. The tourist season will be about over by Easter, but that demand is now secondary to the regular local trade. Los Angeles could well support a wholesale cut flower house; there is a good chance to build up a shipping trade.
J. W. Wolfskill, who opened his retail store in the Hallenbeck hotel thirty days ago, is doing well. The store and its fittings would be creditable to most eastern cities, as also would the stock of flowers carried. He handles his own cut, from over 100,000 feet of glass.
Visitors: Anthony Wiegand and wife, of Indianapolis, have much enjoyed three weeks here and will leave for the north soon.

Lake Geneva, Wis.-The gardeners of Lake Geueva have formed an association with thirty-one members.

## Illinois State Florists' Association.

The prospect of securing a state appropriation for experiment work for loriculture under the direction of an advisory committee of the Illinois State Florists' Association has amakened great enthusiasm in that organization At a meeting of the Chicago Florists Club on Mareh 9 thirty new names were alded to the already long list of members of the state society. Appli ation to incorporate has been filed. In the endeavor to secure favorable consideration by the state legislature, the committee in charge has been surprised at the lack of realization of the impor tance of the greenhouse industry in Illi. uois. For educational purposes it has issued the following open letter:
By an act approved March 2, 1887, the national government appropriated $\$ 15.000$ per ahlishing and maintaining purpose of esexperiment station. 'to aid in acquiring and diffusing among the people of the United States useful and practical information on subjects connected with agriculture and to promote scieutific iovestigation and experiment respecting the principles and appli-
"ations of agricultural science."
The agricultural experiment station of llinois was placed under the direction of the trustees of the state university as a part of the uoiversity. From 1887 to 1901 the station was maintained upon the United States fund of $\$ 15,000$. Its sphere and its
activities were necessarily limited because the above sum had to be limited because the above sum had to be used for salaries, printing four bulletins a year, as required by law, labor, supplies, etc. When divided mong lour or five departments representing great agricultural interests, such as gronomy, animal husbandry, horticulture igating together with the necessary inves gry rimy relating to these iodustries, it is lone the great work they stations hav one great work they have. According noy supposed the states would make the necessary appropriatious for them.
Four years ago the various agricultura gaizations o. the state, realiziag toat th appropriations recelved from the national hroined were haadequate, sought and pproriations were. hee past two year Twenty-fye thound fallows nyestigations. 0500 dolk for live stock the state: $\$ 15,000$ for dor soll survey of $\$ 10,000$ for corn investiry investigations 000 for orchard investigations and $\$ 10$.these appromiations was expended under the direction of an advisory committee fye from each of following associations The Illinois Live stock Breeders tion, 1llinois Farmers' 1nstitute, Associa Corn Growers' and Illinois Corn Minnol Association, Illmois Dairymen's Assaciation and the Illinois State Horticultural Society.
The sums mentioned are specifically appro priated for certain investigations and have heen so uscd. The only reason the florist have not had similar appropriations is be ause they have not asked for an appropriation for experimeatal work
According to the census figures for 190 there was invested in floriculture in Illinois the sum of $\$ 4,648,056$. Of this amount $\$ 2$, 2. 439.163 was represented by buildings and the flowers land. The wholesale value of \$67.855. There was $\$ 414.511$ in 1899 was $\$ 1$, glass. In addition to the square feet of which relate to the commercial forlsts those who derive the priocipal part of the income from the sale of fiowers and plants we find 1,199 gardeners using a total area of $8, i 44,020$ square feet in growing plants. Greenhouse bullding firms estimate the amount of greenhouse bullding material, in cluding structural work. glass and plpe and heating apparatus, at $\$ 2.000,000$ per aonum
of sa!es in the city of Chicago alone formation obtalned by chicago alone. Inrormation obtalaed by hullders, through th rade press, from wholesale plantsmen and trade mes it cading members of the vestment are now 50 ner ant on are now so per cent greater than the above mates place the roal consumption of the greenhouses of lllinots at 150,000 tons per annum.
In Cook county we find the glass area the florists to be $\overline{5} 855,612$ square feet. in
ou Page county, 532,680 square feet; Kalle 135,563; Nangamon, 184,240; McLean 151,200 Will, 110, 555 ; Morgan, 96,000 ; St. Clarr, 15, 330; 'Peoria, 86,519 , Lake, ${ }^{73,487 \text {, etc. With }}$ rew exceptions there is in every county o
the state some glass devoted to floriculture the state some glass devoted to floriculture
aul if we include the glass used in mar aud if we include the glass used in mar
ket gardening the industry is practically uni ket gardening the industry is practically uni
versal, so far as the state is concerned. Inyersal, so far as the state is concerned. In
dead. deed, 110 other state has so universal an dustry is common to the whole state, and dustry is common to the whole state, and
if we remember that a portion of the ap propriation asked for should be used for experimentation on the home grounds of the state, the fact is establisned that fioricul ture is an interest that affects every per From the foreroing it lew feet of land the results of juyestigations will be fa reaching.

New York, the only state which equals or surpasses illinois io commercial floriculture periment sed greenhouses at its wo ex periment stations at Geneva and Cornell the benefit of this been carried on fo with vegetables nisder glass. In Illinois with her great fioricultural interests not dollar has been specifically appropriated for experimental work along this particular line while other agricultural interests have bee cared for and forists have paid their part of the state taves without any direct heac fit in return.
In Rhode Island an asking has been made of the legistature for the sum of $\$ 15,400$ tor greenhouses. They will get it becaus In Illinois there are singlu supportiug it with a greater glass arm than there was in the whole state of Hode Island in the census year.
The state of New Hampshire has today perhaps the most compact and serviceabl little range of glass of any state agricul tural college aad experiment station, costiog $\$ 7,000$ and built under a state appropriation Compared with the floricultural industry in glass as Du Page county, to say nothing of Cook county, which surpasses every state in glass area except New York, Penusylvania New Jersey and Massachusetts. Is $\$ 10000$
 structures?
The lines of work uoder glass which most likely will be taken up are methods of combating insect and fungous diseases and investigations in the use of commercial fertilizers. Whatever is undertaken will be determined by an advisory committee appoint ed or elected by the Illinois State Florists Association, and this committee will certainly see to it that oaly such problems are investigated as are of the most vital interest to the whole state. The law contemplates a fund of $\$ 10,000$ a year to pay all operating expenses, labor, coal, supplies, printing, etc., as well as co-operative experiments carried on away Irom the experiment station. If an insect or fungous pest appears on ornamental plants anywhere in the state which cannot be readily determined an iarestigator should be put to work at it to the end that it may be brought under control for the comma soa or all trade. Uncer the law for orchard investigations almost me then on an from the universits. No one knows work will but wat eoperative some such wor there whecessarily be tion must work done and the appropriaspecially siner theressible contingencies paintaining a rause be no pront in mental work, as the work will be largely with diseased plants. Work will be largely The movement for
red by the Illiwois appropriation is far ored by the lliulis State Florists Associa other prominent florists of the state many every florist in the state should state, hut and this can best be done by urging your epresentatives aod senators to vote for the bill. Interview them when they for the home, if possible, otherwlse write them a strong letter
J. C. Vaughau. President Socicty of AmeriJames Harst, Chicago
artshorae, President of the Ameripan Jllauswirth. State Vilee-President (north society of American Florists, ChiCohno, Willis, State Tice-president (south) Soclety of American Florlsts, Danville, 111.

The Chicago Florlsts' Club, by resolution attest, Robert Johostone, Secretary.
The lllinols State Florists' Association, W Rudd, chairman pro. tem
 field, Inl., and many others.

## TTHE $A$ MAERICAN [FLORIST

## Twentieth Yeab

Subscription, $\$ 1.00$ a year. To Europe, $x_{2} .00$. Subscriptions accepted only from those in the trade
Advertisements, on all except cover pages, 10 Cents a Line, Agate; $\$ 1.00$ per iuch. Cash with Order.

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10 per cent; 26 times, 20 per cent
50 times, 30 per cent.
Space on front pages and back cover page sold only on yearly contract at $\$ 1.00$ per inch, net. The advertising Department of the American Floriat is for florists, seedsmen and murserymen and dealers in wares pertaining to those lines only. Orders lor less than one-half inch space not accepted. Advertisements must reach us by Wednesday to ecure insertion in the issue for the following secure insertion in

## AMERICAN FLORIST CO., Chicago.

When sending us change of address, always send he old address at the same lime.

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OUl: :nnual rose number will appear next week. Send your advertisement now.

The exhilition of the Ameriean Rose society now in progress in llortienl tural Hall, Boston, Mass., will mot close before March $\because 6$. Don't miss if.

## Live Issues.

The organization of the Illinois State F'lorists' Association is a step in the right direction and an important one We umerstaml that the inteation of the organizers is not to cover the ground which can be eoveral by the Society ot Ameriosn Florists ant other nationat socicties lont to take up issues more parely focal to the state. Aheady we hear talk of a grand state flower show to he held at Springfield next fall and to be follownd amually, and possibly oftensr, liy other exhibitions in dif-
ferent eities of the state. Such shows will be a revelation to the citizens wherever held and can not t'ail to do an incalculable amount of goad to the trade of the whole state. They would be a campaign of edueation.

Eet the florists of other states follow the lead of Indiana and Illinois until we have a state association and a state Hower show in every state.

## The Illinois Florists' Bill.

The florists of Illinois have awakened at last and are demanding their rights. The bill introduced and championed by them for a state appropriation for building greenhouses at the experiment station to investigate the various ills that plants are heir to, and the many other puzzling questions coneerning the growing of plants under glass, seems to be in a fair way to pass.

In nearly all legislatures floriculture has been included, nominally, under the hean of horticulture, and under a broad definition of the term this is proper. When, however, it has come time to spend the appropriation those having control of the funds have defined horticulture as "apples" and have spent the money often in trying to make two apples grow where one never did, and never will grow.

The Illiuois florists have already demonstrated that horticulture means much more than "apples"-in fact that the apple interests of the state form only a very small proportion of the hortieultural produets of the state. It is probably a fact that the commercial floral product of the state of Illinois exceeds by a half million dollars the entire commercial fruit produet of the state, and it is eminently proper that so great an industry should demand and receive proper recognition at the hands of the legislature.

## Society Reports, Prize Lists, Etc.

The are in receipt of the following from the officers of societies named:
Notice of the international congress of the federated horticultural societies of Belgium, to be held at Liege, May 10, 1905. Charles Gonthier, 101 Rue de Statte, IIny, Belgium, secretary.

Royal Horticultural Society of England, report of the council for 1904 and arrangements for 1905. Rev. W. Wilks, Vincent Square, London, S. W., Eng., secretary.

Royal Caledonian Horticultural Society, premium lists for spring show, May $24 \div 5$, and international hortieultural axhibition, September 13-15, 1905. T Murray Thompson, 5 York Place, Edinhurgh, Seat., secretary.

Lenox Morticultural Society, Lenox, Mass., annual report for the year 1904 and prize lists for exhibitions to be held Tune $2 a$ and August 84 , and the pre liminary prize list for chrysanthemum show of the present year. (i. Foulsham, Lenox, Mass., secretary.

## American Peony Society.

The members of the American Peony Society will hold their annual meetiug and exhibition in the banquet hall of the Auditorinm hotel, Chicago, Friday and Saturday, June 17 and 18. A very large display of the newer and faney varieties of peonies is assured. The president of the society, C. W. Ward, speut several days in Chicago last week
looking over details of the exhibition with W. A. Petersou, C. Cropp and J. B. Deamud and requests that all peony growers advise the chairman of the exhibition committee, Arthur Bryant, of Princeton, Ill., as well as the manager of the exhibition, J. B. Deamud, 51 Wabash avenue, Chieago, at the earliest possible moment, of what they will have to exhibit in order that proper arraugements may be made to supply the requisite vases.

Substantial cash premiums, as well as certificates of merit will be given. All growers of peonies should take special interest in this exhibition, as through the means of these exhibitions must we expect to straighten out peony nomenclature, as well as to educate the general public as to the splendid developments which have been accomplished during the past twenty-five years with this magnifieent flower.

## American Rose Society.

An additional special prize is offered for award at the Boston exhibition, March 23 to 26, by A. H. Hews \& Company, Ineorporated, North Cambridge, Mass., of a silver cup, value $\$ 25$, for the best specimen pot-grown rose in the exhibition, ramblers and climbers excluded.

Wh. J. Stewart, See'y.

## For Measuring Flowers.

Kroesehell Brothers Company, the well known boiler concern, 55 Erie street, Chicago, is presenting its patrons a neat cardboard device for measuring blooms. It is of circular form and four and one-half inehes in diameter with a slit to admit flowers to the center. It is a very handy affair and subscribers ean seeure one by writing the above firm, enclosing a 2 -cent stamp for return postage.

## Meetings Next Week.

[Secretaries of soclettes are requested to send us advance finformation of special meettngs, and of changes in dates of regular meetings.]

Baltimore, Md.-Gardeners' Club of Baltimore, Royal Arcanum building, 18 V. Saratoga street, Monday', Narch 27, at $8 \mathrm{p} . \mathrm{m}$.

Cleveland, O.-Cleveland Florists' Club, Progress hall, $\because 44$ Detroit street, Monday, March 27 , at $7: 30 \mathrm{p} . \mathrm{m}$.

Grand Rapids, Mich.-Grand Rapids Florists, Club, Board of Trade rooms, Pearl street, Monday, March 27.

San Francisco, Cal.-Pacific Coast Horticultural Society, Saturday, Mareh 1.

Tarrytown, N. Y.-Tarrytown Horti cultural Society, Thursday, March 30 .

## Trade Notes.

Frederic Cranefield, secretary of the Wisconsin State IIorticultural Society, is a candidate for nomination for alderman on the democratic ticket in the fifth ward of Madison.

Peter Crowe, of Utica, N. Y., has been selected as one of the judges for the forthcoming exhibition of the American Rose Soeiety.

Leonard Barron, formerly editor of American Gardening, now discontinued, is now managing editor of the new Garden Magazine.

Wallaee R. Pierson was at San Antonio, Tex., March 1, returning from the coast.

## OBITUARY.

Marjorie Cole-Agnew.

Marjorie Cole-tgnew, daughter of Levant Cole, of Battle Creek, Mich., died at her home in Port Huron, Mich. March 13, death resulting from pnenmonia. Mrs. Agnew was twenty-one years of age and had been married about three or four months.

## Frank H. Beard,

Frank 1. Beard, senior member of the firm of Beard Brothers, Woodmere, Mich., died Monday, March 20. He was born in Detroit forty-three years ago. In his early childhood he renioved with his parents to the place on Fort street, Woodmere, where he lived until his death. After his school days were over, he assisted his father, George Beard, in gardening bnsiness, which was carried on extensively by the latter for many years, the business gradually developing into that of growing flowers. After his father's death, which occurred several years ago, he joined his brother Edward S., and continued the business under the name of Beard Brothers. They have always been conspicuous as snccessful carnation growers and also for a large stock of pot plants the quality of which was recognized by the local trade and found a ready market here. Mr. Beard always took an active interest in the family affairs of his village, and was once it trustee and succeeded bis father as member of the school board which position he held ever since. He was a member of the first congregational church, belonged to the Maccabees, A. O. U. W., S. A. F., American Carnation Society and the Detroit Florists' Club; he was at one time state vice-president of the S. A. F. A special meeting of the club was held Tnesday evening and resolutions were adopted deploring his loss and arrangements were made for attending the funeral, Wednesday afternoon in a body. He had an attack of appendicitis eight weeks ago and had apparently recovered but an operation was deemed necessary last Wednesday, from which he did not recover. He is sarvived by his widow, three children. mother, four brothers and two sisters. See portrait page 368.

Springerield, Mass.-The Hampden County Horticultural Society held its annual meeting March 1. The next regular session is in June.
Anita, Ta.-During the coming summer Charles II. Talbot will double the amount of his glass, the supply of cut flowers falling far short of the demand the past winter.

## SITUATIONS, WANTS, FOR SAIE.

 One Cent Per Word.
## Cosh with Adv.

Plant Advs. NOT admitted under this head.
Every paid subscriber to the American Floriet or the year 1905 is entitied to a five-line waNT ADV. (situations on!y) free to be used at any

Sltuallon Wantod-A Germanall-around foriat, Box 223, care American Florist.

Situatlon Wanted-As working foreman; are
Sif, married.
Life experience.
Good references Box 213, care American Florist.

Situatlon Wanted-By sn A No. 1 rose grower; 11 years' experieace in besuties snd Tess; csin D. H.. Postoffice

Situation Wanted-As rose sud carnation grower; capable of taking charge of amall place life experience, Good references. Address Box 219. care Americsa Florist

Sltualion Wanted-By prsctical gsidener and florist: 20 yesrs' experience in sll brsoches: $A$ cut fower snd plant grower: married man: com petent to take charge: English. References.

Box 232, csre Americsn Florist.
Sltuation Wanted-As working foremsn in ospnations, or to run a first-clsss carnstion estsblishment on shsres. An A. No. 1 grower of all new first letter. Box 234 , csre American Florist.

Situetlon Wented-By s young married masn; would like to bsve the prowing of roses, carns tions and geners! stock on medium-sized plsce. southern ststes. Box 285 , csre A mericsn Florist.

Sltustion Wanted-As fiorist and landscape gstdeaer; single, sge 31. 10 yesrs' experlence in drsnce and England, 6 yesirs in this country Graduate of the siste Nursery Schonl of Ghent Belgium. Beat of references. Address

Box 217, csre Americsn Florist.
Situation Wanted-Ag foremsn on good sized commercial place where growing roses for cut flowers is mades apecislty. Reler to Alex. Mont gomery, Wabsn Rose Conservatories, Nstlck Msss. Address

Box 183, care Americsn Florist.
Situallon Wantad-By young msried man, German, sge 27, strictly temperste snd relisble 5 yesrs under glsss, 3 years on private place. plsoe: privste preferred. Good references. For pisoe; privste preferred. Good relerences. For full particulars, sddress

Situatlon Wanted-First-class grower of roses csrnstions, 'mums and geners] line of pot and bedding plsnts, also good in ls ndsoape gardening wsats pusition as foreman or iske chsrge of 19 yesrs' experience. State wsges. Address Box 207, care American Florist.

Holp Wanted-A ilrst-class all around greenhouse man. Please atate age, references, atc
J. B. HEiss, Dayton, O.

Holp Wanted-All-sround grower. State age, experience and wages expected with references
Hinz dí Co., Leavenworth, Kan.

Holp Wanted-Wanted lsdy deaigner for floral work and to take charge of llower store. Addres AURora Greenhouse Co., Aurora, Ill.

Hoip Wanted-Good all around forist, aingle, German. The F. Blondeel Company,
Oak Park Ave, and Augugta St, Oek

Holp Wantod - Man for general greenhouse Address bos i20, care Ameriosn Florist

Halp Wanted-A first-class gardener for a full particulars as to qualiflcations. Address Box 218, care Amerioan Florist

Holp Wanted-Reliable, single man to grow roses, carnations, 'mums and geraniums. State age snd wares, with references.

Gift Floral Cu., Richmond, Ind.
Heip Wanted-Experienced grower of roses caroations and general stock for retail trade Good wages to sober, reliable man. Address
M. M. Strono, Sioux Falls, S. Dak

Hajp Wantod-Section foreman for carnations. State wages wanted withont board, also age and references. Address
P. R. \& C. Co., Cryatal Farm, Gibsonia, Pa

Holp Wanted-Two florist girls, two men, A pril 15. Must thoroughly underatand store work. Send references, wages. Address Imperial Flomist Company, Minnespolis, Minn.

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Halp Wanted - Single man nnderatanding
growing vegetables and roses; no plass. Winter growing regetables and roses; no glass. Winter and board. Send references in first letter. Bonden Stock Faby, Tontl, Ill.

Help Wanted-Young msn for genersl greenhouse work; commercisl plsce: steady joh and good home, state age, experience, where lsst employed and wages per month with bosrd.
Geo. S . Belorng, Middlewown, N .

Help Wanted-Good reliable msn for geners reenhouse work; must be sober and g good vorker. Wsges \$12.00 per week. References required. Stste sge snd antionslity Box 201, care americsn Florist.

Holp Wented-A good grower of roses, carnsions, chrysanthemums and geners! stock of plsnts. Must be sober sud good worker. Stste ge, experience sad wsges expected with references. Address

Help Wanted-Young man with st least three years' experience at genersl greenhouse work; one preferred that bas worked sround smsll pacps; mostly bedding plsnts; pay not over 80 job. Address GCs KNoch, Woodmere, Mich.

Holp Wanted-Competent reliable foremsn for hree greenhouses; must be a man with unquestioned sbility sad character, snd that is welline of plants; slso csissions, roses snd genersi work sud decorsting. Permanent place for right msn; one who spesks Germsn preferred. For psrticulars address Charles Otto Horn

Grandon Greenhouses, Beleas, Mont.
Help Wanted-For an importsnt estsblishment in Germany comprising nurserles snd reenhouses, with a specisity of cut fowers, s 40, Protestsnt, with good recommendations. He raust understand the genersl msnagement snd pecisl trestment of roses snd carnstions. Wsges 875.00 per month, shsre in profits, residence and uel. Permsnent s ppointment for the right man. Applyat ance, sending copies of testimonislsand references. Convenient offers are snswered in the midst of April. Address

Box 206, os re Americsn Florist.
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298 Dlamond St., Pittsburg, Ps.

## Cincinnati.

## arameet DULL

Trade the past week was a little quict and stocks accummated accordingly; especially is this true of carnations. Good Lawsons went begging at 2 cents and ordinary varieties sold at 50 cents and $\$ 1.00$ per hundred. Bulbous stock is a glut and it is needless to talk abont values.

## anNuAl CARNATION EXHIbITION.

There were few exhibitors at the annual carnation exhibition of the Cincinnati Elorists' Society March 11 in the club rooms at the Jabez Elliott Flower Market. They certainly did themselves proud for they put up the very best show of carnations ever seen in the club rooms. The only detriment to the show was lack of room, for at times it was utterly impossible to get through the crush of people. As Mr. Hill remarked: "'This show should have been held down on Fourth street in one of the empty store rooms, so that the public might have a better opportunity of viewing the flowers;" but as our city is enjoying an unprecedented boom at present and store rooms on Fourth street are at a premium we had to submit to the inevitable and go to the club roons. The exhibitors were: The E. G. Hill Company and Ed. Ruch of Ricbmond, Ind.; Honaker of Lexington, Ky.; H. Weber \& Son, Oakland, Md.; W. E. Hall, Clyde, O., and Messrs. C. C. Murphy, J. W. Rodgers, R. Witter. staetter and George \& Allan of this city. Among the varieties were noticed: Fiancee, Cardinal, Lady Bountiful, Flamingo, The Belle, My Maryland, Pat ten, Lawson and Enchantress. The seedlings were too numerous to describe owing to a lack of time on the part of the writer, but without wishing to be presumptuous would say that I doubt if their equal was ever seen in this country. Judge Theo. Bock of Hamilton, O., said he had his hands full in awarding the prizes in some of the classes as competition was very close. His decisions, however, gave general satisfaction as there were no comments heard.
The awards follow: Best vase white R. Witterstaetter, first; E. G. Hill Company, second; Chicago Carnation Company, third.

Best vase light pink, Ru. Witterstaetter, first; Honaker, sccond; E. G. Hill Company, third.

Best vase dark pink, R. Witter staetter, first; Chicago Carnation Company, second; Honaker, third.

Best vase red, The E. G. Hill Company, first; R. Witterstaetter, second; Eil. Rnch, third.

Best vase variegated, E. G. Hill Company, first; Chicago Carnation Company, second.

Best 100 mixed, E. G. Hill Company, first; Chicago Carnation Company, second; J. W. Rolgers, third.

Best 25 seedlings, R. Witterstaetter thok all three premiums.

Best general display, Fi. Witterstaetter.

The F. G. Hill Company showed a vase of Richmond which was admired more than anything in the hall by the public. In the evening the local florists gave a bauquet at the Gibson house to the out of town florists and a pleasant hour was spent.

NEWA NOTES

Julge Bock was presented with a
handsome meerschanm smoking set by the Cincinuati Florists' Society March II, in appreciation of the able services rendered by him as judge of the exhibitions the past season.
A. Sunderbruch's Sons last week used 20,000 violets for a funeral order.

The Cincinnati Commercial Tribune on March 12 began a series of ar ticles on gardening written by Mr. John Tkorpe, and we look forward to quite a treat for the next two nionths as they will appear every Sunday for that length of time.

Visitors: E. G. Hill, Ed. Ruch, of Richmond, Ind.; O. Honaker and Will Gerlach, of Lexington, Ky.; Theo. Bock, Hamilton, O.; Mr. Weber, of Oakland, Md., and Joseph Goldman, Middletown, Ohio.
A. O .

## San Francisco.

MARKET CONDITIONS.
l'here seems to be a fair amount of business notwithstanding the advent of the Lenten season. While there is a heavy supply along nearly all lines prices seem to hold out fairly well, ruling about the same as last week. There is still a scarcity of first class roses and it will probably be some time yet before the first grade is in the market in sufficient quantity. Violets are over for the season, only a few stray lots of double being obtainable. There is a great quantity of carnations coming in daily, some of which are bringing very low figures. Enchantress seens to hold up well and is still bringing top figures. The market is flooded with Lawson, goed, bad and indifferent. Many of the leading growers claim that this variety is running out or deteriorating, and such seems to be the case with many of them, judging by the quality of the bloons received. Bulbous stock is plentiful. Smilax is going well at an advanced price.

## notes of the trade.

The idea of having one day set apart each year for the celebration of Burbank day is spreading rapidly all over the Pacific coast. lu Santa Rosa, the home of the famous scientist, March 17 has been designated as Burbank day, and native trees will be planted throughout the county, and as far as possible, choice will be made of Burhank's ereations. After this year March 7 will be the day in this county. Mr. Burbank has been notified that the rity of Spokane, Wash., is to have a Burbank day in the course of a few weeks, and all over that city plants that owe their origin to the "wizard of horticulture" will be planted.

The great flower carnival of the city of Oakland, which it is proposed to hold in April, will not be held at the Emeryville race track as was at first the intention. The vigorous protests which were lodged against the proposition by the various beneficiary organizations, the churches and the labor unions, have had their effect, and at the last meeting of the directors of the carnival it was voted not to hold the affair at the race track. As yet it is an open ques tion where it will be held.

The Menlo Park Horticultural Society at its meeting Thursday night decided to hold a spring exhibition in April. A committce was appointed to make the necessary arrangements.

Hilda M. Feckheimer, a floral decorator at 1150 Sutter street, has filed a
petition in bankruptcy, with liabilities of $\$ 2.077$. Her assets are $\$ 707$.

Fick \& Faber, the carnation specialists, suffered a loss of several bundred dollars recently owing to an accident to their boiler.
James Brown has resigned his position of head gardener to the Taylor estate at Menlo Park.

Norma.

## Pittsburg.

Business is very irregular, yet it may be called good, for three or four days of good business each week easily puts the balance in our favor. Stock of all kinds is plentiful and moving out in fine order. The few fine days of spring weather that we had in succes sion started the sale of ferns, palms and seeds.

FLORISTS' CLUB.
Rose night at the Florists' and Gardeners' Club produced unbounded evidence of the widespread interest that centers is the monthly meetings of the club. The attendance was good and the members mixed, and lots of valuable information divulged as to just how some of the growers grew the fine stock that was presented for inspection and discussion. There were also exhibits of primroses, cyclamens, cinerarias, Dutch byacinths, etc. When daffodils were presented for inspection Wm. Falconer brought out an interesting discussion in which several Dutch bulb representatives participated. The announcement of the death of Charles T. Siebert was received with regret. The names of four applicants were presented for membership.

## NOTES.

The sheriff closed T. Ulam \& Com. pany out last Friday. Lloyd Swarthout, of Washington, is the petitioner of the process. Excessive rent is regarded as the main cause of the failure, as Tom Ulam is a hustler and did a big business.

Downtown stores are preparing for usual floods, which llood their cellars and sontetimes enter the stores of those nearest the Allegheny river.

Charles T. Siebert's new store with palm and fern houses attached will open March 23 and will be managed by E. Zieger.
W. B. Flemm is building a new houseon the same site of his former one which was destroyed by fire a few weeks ago.
A. T. Lorch, of De Haven, Pa., will erect five new houses. Three will be$40 \times 300$ feet and two $20 \times 125$ feet.
L. I. Neff, who recently purchased the Elliott plant at Cheswick, is making his hone there.

Robert Schenk has taken a position with Charles T. Siebert.

Visitor: James A. Eastwell, of Smith \& Fetters, Cleveland, O.

Fred Burki is suffering from a broken rib received by a fall.
E. L. M.

Palmer, Nass.-C. A. and L. A. Royce have bought the Randall place on North Main strect and will build large greenhouses on the property.

Lawrence, Mass.-A. H. Wagland will build a greenhouse for show purposes on Broadway. The new house will be about $21 \times 55$ feet, and ready for occupancy by April 1.

## Don't Get in a Rut.

Too many Florists buy their flowers without thinking much about whether they could do better elsewhere.

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Par Grisy-Suisnes. (Seine et Marne), FRANCE.
Los Angeles, Cat.-Dr. A. D. Houghton, under the patronage of the Santa $F e$ railroad, will soon begin experiments in growing spineless cactus at several desert points along the road, notably at Victorville in the Mojave desert.

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## The Seed Trade.

american seed trade association.
Chas, N. Pige, Dis Moines, La, Pres.; L.
C. E. Kendel, Cleveland, O., suc'y and Treas. Twenty-third anmal convention at Alexandria Bay, N. Y., Jume 20-22, 1905

Gxiox sets are reported casier.
The alrance in clover is being maintaincil.

New York Marret mignonette is selling well.

Tue market on nearly all grass seed is very stiff.

Husland bulbs of the best quality, like other gools, bring the hest prices.

Adr sendsmen are very lusy, trade heing considmalily better than that of last year.

Sweet Peas have been in heary hemand this rear. Whalesille stocks aro well cheaned up

Preefirdse Seed.-Secretary Wilson, of the Department of Agriculture, re ports that lator on he hopes to distrib. utr sueh.

We lug to acknomedge receipt of a siphondid allom of illustrations of rege tables mepard from photographs by Firnst Fonary, of Erfurt, Germany.

Elbis D. Adame, secretiry amd treas mer of Comstock. Ferre d Company, Whthersfield, Comu., died Mard 10. A hriet obituary motice appears in our last issue, page 329.

Quemers, N. Y.-E. V. Hallock reports that mail trade shows a decinded improrement. Ito aseribes the probable canse to king frost losing his grip on the sonth and southwest

Ose of the surprises of the year is the enormons demand for onion seed. ln spite of the smoplas at the beginning of the swown seretsmen report themselves short on many items. This is particularly true around Chicago.
finhamblitila, Pa.-Assignee Wan. . Griham of the estate of George (: Watson lass issued ar rall to the ered itors for a metting to be held Mareh 21 for the pmrouse of selecting an addi tional assigute if that combe is consid Mrat nowessary.
S. 3. Haindes, of the S. Y. Haines Seed Company, Fives . Tmetion, Mich. as an example of carrying roals to Newcoastle sends us a sample case of Unch Nim's soods which he repently receiver loy mail. Mr. liajnes adds: "You will :llon motw the new and rare variefirs and that dive sorts are alleertisen?
 fordinn. There is not a word in Web. str.e's dixtionary strong enomeh to cover surlı mothorts.

## 3,700 ACRES OF GARDEN SEEDS in cultivation.

Braslan Seed Growers Co,
Wholesale Seed Crowers.

## Los Angeles.

E. Germain, the seedsman, lately purchased Broadway property improved to the ralne of $\$ 400,000$.

John lewis Childs and family are at the Areadia at Santa Monica.

Unprecedented rains have fallen.

## Washington.

TRADE herort.
With what loth appear as a mix-up of the calendar months whereby the first of June has been projected into the fquinox, the cut-flower market has resolved itself into a mere survival of the fittest. A great imount of good stock is moving but at much lower prices than have ruled during the season; a great amount of indifferent stock is moving toward its final destination; the public dump. From present indications it would seem as thongh the farm ors will le able to furnish plenty of Fastor stock. However, the situation is not hopeless. The beautifnl weather has brought out the people who stay at home during jnclement weeks and their presence has quirkened country trade The fashionable set who gave their time to brilliant functions during the "scason'" have now the opportunity to entertain their personal friends at small dimners and luncheons and considerable stock is heing used for these affairs. And, sadfening reflection, the grim reaper, who knows no seasons, has been artive in this community, and during the past week many last tributes were sont out by the leading designers.

FIGHISTS' flte CATANATION SIOW,
The exhibjtion of fine earnations mmar the ansprecs of the lorists' Club olt the night of Mareh 7 expeederd the -x]actations of the most sanguine. The show was held in sehmidts hall, the meeting place of the chuh, 516 Ninth itrent, N. W. It is hat justien to state, howerer, that out-of-town growers were largely responsible for the suceess of fle show. The entries follow:

1I. Weber \& Sons, Oakland, Md., white parnation My Marylant; John N. May. Sumnit, N. J., white earnation The Bricte; John E. Haines, Bethlehem, Pa., searlet earnation John F. Haines, yellow, Star of Bethlchem: .I. R. Dillon, Bloomshurg, Pa., scarlet emration Crisis: W. J. Palmer \& Sous, limeaster, N. Y., lied Lawson; F. R Pierson Comprany, 'Tarrytown-on-theHudson, N. Y., White and Variegated Lawson and Daheim; .T. R. Freeman Washingten, D. C., Mrs. T. W. Lawson; !lex. B. Garden, Washington, D. C., binchontress, Mrs. 'T. W. Lawson and F'lamingo; F. 1I. Kramer, Washington,
dark pink seedling F. H. Kramer; A. B. Davis \& Son, Purcellville, Va., Red Sport; Guttman $d$ Weber, Lyubrook, L. I., N. I., Victory; Peter Bisset, Twin Oaks, D. C., pink seedling rose.

Under the direction of Secretary Bisset the flowers were arranged on a long table to slow to the best advantage.

## Notes.

A recent visit among the growers of Alexandria, Va., fiselosed the fact that they are keeping abreast of the times. T. Lonis Loose, who has always had a reputation for up-to-date methods in his business, is ably sustaining it. It is no injustice to other growers to state that the present arrangements for efficient work at this range seem almost fanltless. A seventy horse-power steam boiler has recently been installed for sterilizing and other purposes, and as a reserve and snbstitute in case of accidents to the hot-water battery. There is also a large eirculating pump for the hot-water pipes. Another pump has been installed for high pressure syring ing. A commodious boiler-house has been erected and an elevator installed to raise the ashes-a boon to firemen. Briefly stated, growing flowers at Loose's range should now be as easy as falling off a log.

The death of the patriot, soldier and statesman, General Joseph R. Hawley, for over twenty years United States senator from Connceticut, was the accasion of large funeral orders. Though the funeral in this eity was private, the final resting place being at Hartford, 'onn., the great esteen in which General llawley was bold caused large arders on the florists. J. H. Saiall \& Sons excented a fine design for the Loyal Legion, and a number of others from former associates in the senate. A. Gude \& Brother. Gen. H. Cooke, J. Louis Loose sme others had also consilerable work.
President Roosevelt recently appointed a commission to sclect sites for puln. lic buildings in this city in harmony with the plans of the prark commission. The personnel of the commission is almost identical with that of the park commission. Messrs. Burnham, MeKim, Olmstead and St. Gamlens, the sculptor, being of that botly, Fernard R. Green lofing named as whiman of the new rommission.

Grillbatzer Brothors are showing a filue crop of earnations and mignonette.
A. C. Shaffer \& Company have a well kept range and a good variety of satsonable stock. Most of the stoek grown at the ranges previously named, is marketed in Washington.
S. E.

## SUMMER FLOWERING BULBS.

CALADIUM ESCULENTUM.
All somme ballis will live center shonts. I'erdo\% 100

 $\begin{array}{lr}\text { f0 } & \mathbf{4 . 0 0} \\ \mathbf{9 5} & 7.00\end{array}$
10 inches and up

## TUBEROEES.

I) warf Pearl, firstalass, strong buibs, per 10 , *1.00: [r" 1000, *8, 00 . Dwarl Pearl, Huलfunu size, per 100, 60e: fer 1000, 4.50.

Armstrong's Everhloomind, fine for cut flow-


## GLADIOLUS.

All strictly first size bulbs. Per $100 \quad 1000$ Augusta, pure white, blue anthers.... $\$ 3.00 \$ 26.00$ Breachleyensis, intense searlet..... $1.3 \mathrm{3} \quad 11.50$ Ceres, pure white, spottel purplish rose $1.25 \quad 10.50$ Mme. Moneret, delicate rose color.... 1.50 12.50 May, pure white, flaked rosy crimsou.. $1.50 \quad 12.50$

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The New Hybridized Giant-Flowered obconica PRIMROSES

Carmine, purple, violet. Per 1000 seeds, \$1.00; trade pucket, 5uc.

Compacta.
A fine potter, per 1000 seeds 81.50 ; tr. pkt., 50 c Buttercup Primrose Grandiflora, Per 1000 seeds, 81.00 ; 1r. pkt., 50 c .
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We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.
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Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

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E. W. Kirkpatrick, McKinney, Tex., Pres. C. L. Watrous, Des Moines, 1a., Vice-Pres. George C. Seager, Rochester, N. Y., Sec'y. Thirtieth annual coavention, Weat Baden Springe, Ind., June, 1905.


#### Abstract

Lynn, Mass.-At the last meeting of the Houghton Horticultural Society, held Mareh 6, J. W. Duncan, assistant superintendent of the Boston parks, delivered an address on shrubbery.

Spokane, Wasir.-The Spokane Horticultural Society at the last meeting enrolled thirty new members. Resolntions were adopterl asking the county commissioners to appropriate $\$ 7,000$ as Spokane county's share toward the state horticultural exhibit at the Lewis


 and Clark exposition.To Destroy the Rose Bug.
Ed. American Florist:-
What effective remedy may be applied to rose bugs which are attacking my hydrangeas and maples?
(. J.

The rose bug, Macrodactylus subspinosus, is perhaps one of the most irrepressible of insect pests. They are much worse on light, saudy soil than ou stiff clay soil, for the reason, perhaps, that when the beetle lays its eggs in the surface of the ground before it disappears about the end of June or first of July, and the larva emerges, it feeds on the roots of grass and other plants, and at the approach of cold weather it descends into the gronnd beyond the reach of frost.

In the spring it comes near the surface and purates, and the voracious bectle goes forth on its mission of destruction about the end of May or
first of June. Hence, in heavy, stiff soil, it is difficult, and perhaps impos. sible, for it to dig its way down. We have tried all sorts of remedies, but with only partial success. The best I have found so far is Ivory soap, which, by the way, I find to be a most excellent insecticide for general use, at the rate of from one-half pound to one pound boiled and dissolved in twelve gallons of water and applied by a spray pump. This kills it by contact, but it has to be frequently repeated, as other beetles will keep up the attack.
lvory soap never seems to scorch or injure any kind of foliage, whereas, whale oil soap, strongenough to be effective, will often injure foliage, owing, I suppose, to different brands being in the market. The rose bugs can be much rednced by jarring them into a convenicnt receptacle, and throwing them into a vessel with kerosene. What we really need as a sure defence against it is some application that can be easily and quickly applied with perfect safety to the diferent plants it attacks, and compel it to avoid them, but up to the present, the writer has not yet found this.
J. D.

## Cleveland.

The Lenten slump has arrived in firstclass working order, nothing doing, and stock accumulating likebugs on an aster plant in August. Carnations are the greatest sufferers, splendid flowers going for nothing or nearly so if you consider five to ten dollars a thonsand anything. They lave to be extra fancy to bring $\$ 2$ per 100. Roses are not quite so bad but nearly so, $\$ 8$ per 100 will buy the cream and any quantity can be bought for half that price. The slump is partly due to the fine weather we have had for some time past which has rushed the crops along. There is a strong possibility that prices will stiffen later, per-
haps before these notes appear in print, affairs will have changed as the plants cannot stand such heary cutting so carly in spring and not suffer. Strangely enongh bulhous stock is moving fairly well especially tulips and daffodils.

Not so many Crimson Ramblers are being grown for Easter this year as last but more lilies and azaleas are being handled. The chances are that bulbous stock will be rather scarce. The warm weather and Easter being so late are two forces which will probably unite to create a shortage.

Есно.

## Tottenham Nurseries, tro. <br> Esfablished 1872.

## A. M. C. VAN DER ELST, Managing Director.

## Dedemsvaart, (Holland.)

## Headquarters for Hardy Perenniala (among

 which are the latest and chnicest) 13 acres devoted lor growing this line aa Anemone, Aster, Campanula, Delphioium, Fuokia Hemerocallis Hepatica, Incarvillea, Iris, Peonies, Phlox decuasata, and sufruticosa, Primula, Pyrethrum Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Conifera, (apecially Alpine varieties) 2 acres Hydrangeas. We make Alpine varit to sow all latest noveltics in mak a point to grow all latest novelties in thes Hoes. Asx for catalogue

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400,007 Roses, 2 -inch pots.
Hydrangea P. G., 3 to 4 feet 89.00 per 100 2 to 3 feet. 6.00 per 100
$5(0,000$ Privet, prices on application.
Clematis Pan., 2 yoara................. 6.00 per 100
50000 Field-growa Phlox
30,000 Roses, 4 -inch pots.

- Send tor Surplus List.-

The ELIZABETH NURSERY CO.
Elizabeth, N. J.


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## TO THE TRADE ONLY:

This spring we will move a block of Pin Oaks that have been fwice transplanted. In good roots, stems, caliper and tops, they will please critical buyers.

## Special Price for March and April Orders.

Per 10 Per 100

|  |  | Per 10 | er 100 |
| :---: | :---: | :---: | :---: |
| 6 t | 7 feel. | \$ 6.75 | \$32.00 |
| 7 to | 8 feet. | 8.00 | 40.00 |
| 8 to | 9 feet | 10.00 | 44.00 |
| 9 to | 10 feet. | 14.00 | 48.00 |
| 10 to | 12 feet. | 1800 | 60.00 |

The above prices are the lowest at which a No. 1 grade has ever been offered. These trees are absolulely firsl-class.

Not less than 10 trees al the 10 rate, 25 trees at the 100 rate. Packing additional. ORDER NOW. Usual catalogue terms and conditions.

## 700,000 Cal. Privet

3 yrs., $21 / 3$ to 3 ft., extrs heavy............ $\$ 3.2580810$ 3 yrs., 2 to 2 $2 \not / 9$ ft., well hrsnched......... 25023.00
 3 yrs., 2 to $18 \mathrm{in} ., 4$ to 8 brenches ...... 150 10 00 2 yra., 24 to 8 ft , wall branched......... 2251800 2 yra, 2 to $21 / 9 \mathrm{ft}, \quad 4 \quad$..
 1 yr., 14 to 20 in., 2 to 4 ........ 1.25700
 Cuttings, atrong. ........................... 25 c each

All tbo above plants have been transplanted and out back except one year which masea them a clean, good atock. Partiea wanting 5,000 or over, will write and get batter rates.
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Strong divided plants 3 to 5 eyes in quantity Fesliva Maxima.

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Grandiflorit, busty feld-grown, 1.5011 .50 1sushy feld-grown, 12 to 18 inches 1.008 .00 HYDRANGEAS, Utaksa, Red
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2-yr old, pot-grown, for forcing. $5.00 \quad 35.00$ CRIMSON RAMBLERS, strong,
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| :---: | :---: | :---: |
| MAMAN COCHET, strong, s-year |  |  |
|  | 200 | 15.00 |
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| Mad. Gabriel Luizet, Mad. |  |  |
| Caroline Testout Magna Charta, |  |  |
| Marshall P Wilder, Mrs. John |  |  |
| Laing, Ulrich Brunner, etc., |  |  |
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Blanches, Capt. Christy, Fisher Homes. General Jacqueminot Caroline Testout, Magna Charta Laing, Ulrich Brunner, etc all at.................................... 1.50 11.00

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## Special Evergreen Offer. <br> We are the largest growers of MAGNOLIA GRANDIFLORA in the South, baving upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer. <br> One year plants, 1 st grade, 6 to 8 inches, once transplanted, $\$ 3.00$ per 100; $\$ 25.00$ per 1000; $\$ 115.00$ per 5,$000 ; \$ 200.00$ per 10,000 . <br> ALSO THE FOLLOWING: <br> Per 100 Per 1000 <br> BUXUS ARBOREA, 2 years, 6 to 8 inches. ... $\$ 2.00$ <br> $\$ 18.00$ <br> EUONYMUS JAPONICUS, 1 year, 4 to 6 inches. . 1.50 <br> EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches......................... 3.00 <br> RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches......................... 4.00 <br> RETINOSPORA P. AUREA, 9 to 12 inches, 2 years........................ 4.00 <br> BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches................... 5.00 <br> BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches....................... 3.00 <br> BIOTA ORIENTALIS, Rosedale, 1 ft., very fine ............................... 10.00 <br> BIOTA ORIENTALIS, Rosedale, 18 inches, very fine....................... 15.00 <br> JOSEPH W. VESTAL \& SOH, Little Rock, Ark.



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## CALIFORNIA PRIVET CHEAP

100,000 well grown plante, 3 to 4 reet, salected,果 4.00 per 100. $\$ 3.00$ per 1000. $21 / 1$ to $31 / \frac{1}{2}$ leet, 7 or more branches, 82.50 per 100: $\$ 17.50$ per 1000: 20 to 30 in .5 or more braoches, 82.00 per 100: 813.00 per 1000. 18 to 24 in. light, 2 years, 3 or morebranches,
$\$ 150$ per $100, \$ 700$ per 1000. All of the above 8150 per 100.8700 per 1000 All of the above
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The MUNSON GREENHOUSES. Cut flowers
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WILL B. MUNSON, Denison, Jex

## Our Pastimes

Announcements of coming cootests or other events of ioterest to our bowliog, shootin! and sporting readers are solicited and will be given place in this column.
Address all correspondence for this departmeat to J. H. Pepper, 429 Sixtb Ave., New phia; or to the American Florist Co., Chicago

## At New York.

The New York bowlers defeated the Hoboken florists on the former's alleys on Monday, Julins Lang making the top score of 234 , and winning the fountain pen presented by Phil. Fessler for the lighest score. The players aud guests were entertained at supper by the New York club, and a long evening much enjoyed. The scores follow:


## At Painesville, 0.

On Tuesday evening the wholesalers and retailers of the Storrs \& Harrison Company rolled three games on Jolinson's alleys. The wholesalers won two out of three but lost the match by a margin of 58 pins. The score follows:

| Retailers. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Player. |  | 1st | 2 d | 3d |
| Wheeldon |  | 116 | 123 | 114 |
| Rallay |  | 162 | 147 | 154 |
| Lyuch |  | . 180 | 166 | 153 |
| Emsley |  | . 161 | 154 | 163 |
| Advey |  | 173 | $15 \%$ | 164 |
| Wholesaler |  |  |  |  |
| Player. |  | 1st | 2 d | 3 d |
| Welch |  | 179 | 191 | 203 |
| C. Wetze1 |  | 119 | 118 | 115 |
| Hallman |  | 126 | 124 | 131 |
| Bartlett |  | . 145 | 147 | 157 |
| Pool |  | .133 | 189 | 152 |

## St. Louis.

 THE FAKIR QUESTION.The increased quantity of flowers sent to this market during the last few days seems to be worrying the commission meu to some extent. This is probably due to the fact that their plans heretofore have been to unload large quantities of surplus upon the so-called fakirs. These are a well known part and parcel of the cutflower business as concerns the disposition of the stock in laxge cities throughout the country. In St. Lonis they have been unable to contiune business because the police have orders to prevent them from doing it. Heretofore when a lot of Howers came on, the street was quickly filled with men who bought stock at exceedingly low prices becanse they took the leavings. The store men were of conrse handicapper by their business. The criticism offered is that the store man first of all pays high prices for the first-elass goods to the extent of his requirements. After he had been served with all he wanted, the fakir came along and sometimes got that same quality of goods for a much lower price. He lhad no rent to pay; at least mothing more than a nominal price. As a conscquence, he was able to sell goorls
at one-half the price of the commission man. This caused the action which now prevents the fakir from getting on the street. A further result is that the commission men have large quantities of stock left after the regular dealers have been supplied, and the question will arise among them whether they can dispose of larger quantities to the store men or not. From the standpoint of the law of supply and demand it would seem that the store man, who is a legitimate dealer, should get his stock cheaper, thus enabling him to sell the goods at low prices and probably increase his own sales as to quantity. The commission man on the other band will claim that the store man cannot or will not use the increased supply. The florists of the city will watch the deyelopments of the matter this spring with considerable interest.

James S. Wilson, of Vaughan's Greenhonses, Westeru Springs, Ill., was a recent visitor. While here he was elected an honorary menber of the Florists' Club.

## Lenox, Mass.

The Lenox Horticultural Society held its regular meeting on March 18. Presillent R. A. Schmid was in the chair. The meeting was addressed by W. H. Wyman, of North Arlington, Mass. His topic was, "Landscape Art and Architecture," which was very interesting aud led up to a great deal of discussion.

Mackeesport, Pa.-The McKeesport Floral Company has heen incorporated, I. H. Orth, John Molgson, J. M. Johnston and Charles T. Moore being the incorporators. Two new greenhouses, Q5a300 feet will be erected.

## Seasonable Seeds for Florists' Use.

## VAUGHAN'S ASTERS.

## "THE CARLSON." The Early Late Variety.

White, Rose Piak, Lavender, Marquis-Pink, Violet-Blue, Daybreak Pink and Mixed. Each, trade pkt, 20c; any 3 for 5 ce; or per $1 / \mathrm{f}_{\mathrm{A}} \mathrm{oz}, 30 \mathrm{y}$ oz. $\$ 1.00$.
Branchln\& or Semple. Best Late Variety. ( Trade Pkt., 10c. 3102. Wbite, Rose Piak, Purple, Lightrblue, \} 20c. Oz., 60c. Lib., \$6 50. Lsvender, Red, Dsybresk plak............ $\int_{86}$ Trade Pkt. $1 / 40$ oz. 10 . 10 .
\& 1 Whit 10 . 20 . 50
Vaughan"s Upridht White Branchtad..................... 10 . 10 . 20 . 65

## NEW EVER-BLOOMING ASTER "IDEAL."

## Best Early Vartety.

This new Aster produces, ferbsps, more salable cut flowers to a plant ban any other kind. The plants grow from 16 to 18 jnches high and sre in hloom from the beginning of Auzust to the end of September almost uanurruptedly. In shape the flowers resemble the Vicioria type, except thst


## ASPARAGUS PLUMOSUS NANUS.

Norihero Greenhouse-Grown Seed. 1'er 100 seeds. 60c; 250 seeds, 1.15 ; 1000 seefls. 84.10 . Pricu for jarger lots on application.
Souihern OuIdoor-Growa Seed. Per 1000 seeas, $\$ 3.00 ; 5000$ seeds, 812.50 ASPARAGUS PLUMOSUS ROBUSTUS, NEW, 100 seeds, $81.00 ; 1000$ seeds 99.00 .
DECUMBENS. File for Cut. 100 seeds, $500 ; 1000$ seeds, 8 等. 00 .
COMORENSIS. Like \& Plumosus, hut grows tallor and quicker and is darker in color; splendid for cut. to0 seeds, $\$ 1.0$ ); 1000 seeds, 87.50 .
COBAEA SCANDENS. Tradeplit., $10 \mathrm{c} ; 07 . ., 40 \mathrm{c} ; 1 \mathrm{~b}$, , 84.00 .

BALSAM. Alba Perlecta. This is the largest and best double white Balsam noeyualed io doubleoess and large size of its camellia-shaped flowers, trade pkt., 10c; 14 -0z. , 25c; oz., 75 c .
CANDYTUFT. Gia ot Hyacinth-Flowered. This Improved strsin is superior to Empress. Trade pkt., 10c; $1 / 2-02 ., 15 \mathrm{c} ; 10 \%, 25 \mathrm{c} ; 1 \mathrm{lb} ., \$ 2.50$.
CENTAUREA. Imperislis, mixed and Alba, pure white, trade pkt., 100 ; oz., 5Uc; 1t., $\$ 5.50$.
SOLANUM CAPSICASTRUM. Jerusslem Cherry, makes fine plants for Cbrietmss asles, trade \& kt., joc.
VAUGHAN'S CHRISTMAS PEPPER. Sow it now. Pkt., ( 850 seeds) 25c. SWEET PEAS.

Best White-Dorothy Eokford
Best Laveoder-Lsdy Grisel Hamiltoo
Best Red-King Edward VII.
Best Pink-Lovely
Best Bright Blue-Mrs. Geo. Higginson, J
Best Bright Blue-Flors Norton......................
RADISH. Scarlet Globe, Vaughsn's Select stock. Oz., 10c; 泛lb., 250 1b., 70 c .
LETTUCE. 13lack Seeded Simpson, Vaughan's Select stock. Oz., 10c; 4 ,
Grand Rapids Foreing. Oz., 10c; $1 / \mathrm{lb} ., 30 \mathrm{o}$; lb., 81.00 .
EGG Plant. N. Y. Improved. Pkt., 5c; 1/2 oz., 15c; oz., 2zc.


CABBAGE. Eurly All Head. Oz., 20c; 15 lb., 60c.


| WHITE. | Per 100 Per 1000 |  |
| :---: | :---: | :---: |
| Chlesgo Whi | . . . $\$ 10.00$ | \$120.00 |
| Bostoo Msrket | 2.50 | 2000 |
| The Belle. | . 5.00 | 4500 |
| Flors Hill. | . 1.00 | 9.00 |
| Queen Louise, Peru. | . 1.00 | 9.00 |
| RED. Estelle... | . 2.50 | 20.00 |

SCARLET.<br>Per 100 Per 1000  Adonis................................. $2.50 \quad 2000$ PINK. Per 100 Per 1000 

| PINK. | Per 100 Per 1000 |  |
| :---: | :---: | :---: |
| Nelsoo. | \$ 1.50 | 81150 |
| Euchantress | 300 | 2500 |
| Lewson | 200 | 15.0 ) |
| Morning Glory | 1.50 | 12.50 |
| Joost | 100 | 9.00 |
| Higinhotham | 1.00 | 9.00 |
| Guardlan Angel | 1.00 | 90 | EROOTEED QUTTTINTGE。

Per 100 Per 1000

|  | Per 100 Per 1000 |
| :---: | :---: |
| I vory | .. \$1.50 \$12.50 |
| Perle. | $50 \quad 12.50$ |



|  | Per 100 | Per 1000 |  | Per 100 | Per 1000 |  | Per 100 | Per 1000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Richmond. | . . 330.00 | 8250.0.) | Ls Detroit. | . $\$ 6.00$ | \$50 00 | Bridesmsid. | ... 8300 | - 25.00 |
| Rosalind Orr Engliab | . 25.00 | 200.00 | Uncle John | 4.00 | 35.00 | Bride | 300 | 25.00 |
| Chatensy, Sunrise.. | 4.00 | 30.00 | Kaiserin. | 4.00 | 30.00 | Ivory, Perle | 3.00 | 25.00 |
| Perle von Godesherg. | . $\begin{array}{r}5.00 \\ 500\end{array}$ | 40.00 45.00 | AM. BEAUTY BENCH PLANTS, per 100.......... \$6.00; per 1000........... \$ 50.00 |  |  |  |  |  |
| plants and rooled | sold | e ex |  |  |  |  |  |  |

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 <br> NEW CARNATION <br> William Penn}The King of All Scarlet Carnations ROBERT CRAIG (Ward) Will Not Be Disseminated Till 1906. : :
First Delivery Commencing December 1, 1905.
THE IDEAL CHRISTMAS CARNATION.
A Genuine Non-Bursting Scarlet Lawson. JUST THE COLOR OF THE HOLLY BERRY.

> Sond your orders now, with privilege to cavcel same st sny time prior to December 1,1905, if oo iospertion vsriety does not prove sstisisctory. PRICES: $\$ 2.50$ per doz.; $\$ 12$ per $100 ; \$ 100$ per $1000 ;$ 2.500 lals al $\$ 95$ per $1000 ; 5,000$ lots al $\$ 90$ per $1000 ; 10,000$ lots or more at $\$ 80$ ter 1000

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americsn Csinstion Society, 92 pointe SPECIAL DIPLOMA.

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C. HARTMAN KUHN SPECIAL PRIZE tor best undisseminated seedling. Philadelphis. FIRST PRIZE best 100 scarlel.
FIRST PRIZE besl 50 scarlel seedling.
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A very plessing salable shsde of pink. I have gromb it for give yesrs and it gave me more good salable flowers than any other variety up-to-date
Should be planted by every grower of cut flowers if be wsints a contiouous cut of flowers the whole sesson. Every shoot a flower. I will mail 25 well-rooted cuttings free of chs rge for $82.50 ;$; 10 per $100 ; \$ 75$ per
1000 . 250 for $\$ 18.75$. 10,000 cuttings now ready. All orders diled promptly.
FRANK L. KOHR, Lancaster, Pa.

## My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.
Awsyded first-clsss Certitcate of Merit by the Amerionn Carnstion Soolety, Lswaon Bronze for 50 blooms. We prediot thst this variety will essily displscesny other white.
We sre booking orders now for dellvery Jsousty 1900. Price. $\$ 250$ per dozen: $\$ 12.00$ per 100 : 8100.00 per 1000 . Write us for other bew and standsrd vsrleties.
H, WEBER \& SONS, Oakland, Md,

## CARNATION CUTTINGS.

THE BEST. NOW READY. WHITE. Per $100 \quad 1000$ PINK. Per $100 \quad 1000$ Lady Bountiful..... .............. $\$ 6.00 \$ 50.00$ Enchantress.......................... $\$ 3.00 \$ 25.00$ White Lawson...................... 6.0050 .00

Mrs. Lawson.. $2.00 \quad 15.00$ sCARLET.
Crusader............................. $5.00 \quad 40.00$
Cardinal.............................. 12.00 100.00 CRIMSON.
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VARIEGATED and FANCY.
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CARNATIONS
ROOTED CUTTINGS.
Per 100 Per 1000
The Queen.............................. 22.00 \$15.00
Estelie....................................... 00 1500 00
E. H. BLAMEUSER, Niles Center, III.

## Rooted CuttingS.

PREPAIO, per 100. Ageratum. S. Guroey, 50c. Alternantheras, best red and yellow, 50 c : 1.00
per 0000 . Coleus, best bedders, 60 c . Fuchsias per 1000. Caleus, hest bedders, 60c. Fuchsias, Trophee sud other good sorta, $\$ 1.00$. Salvias. Pefunias, 10 best sorts, $\$ 100$. Alternanthera, best red, tloe, 2-ioch. 2 cts . Cash. Alternanthera, bes

BYER FLORAL CO., Shippensburg, Pa,

Newport, R. I.
TRADE LESS BRISK.
We have had steady, pleasant cold weather for the whole of March thus far; the glass at night averaging about $18^{\circ}$ abore, and during the day it has never jet warmed up in good shape. Such conditions have slackened busi mess very much with the seedsmen. Our florists have had a nice lot of busincss the past week; among other orders there was a fine trade for the St. Patrick's day holiday.
NEWPORT HURTICULTURAL SOCIETY.
A special meeting of the Newport Hortieultural Society was ealled for Wednesday evening last, and the largest attendance of the winter resulted. The important matter before the society was the question of where and when the exhibitions for the coming scason should be held. Some favor the plans of past seasons; others want a large summer show in the Newport Casino, whieh shall be made a social tuaction in the summer's entertain. ments. The discussion of this matter was unfinished when the hour of adjournment arrived; so it was agreed to meet again Wednesday evening, April 5, and finally formulate some fixed poliey. Eight names of prominent gardeners were proposed for active membership.

NEWS NOTES.
The park commissiowers held a special meeting last week, and after examining the bids for the care of the parks, under the new specifications, it was voted to award the contract to Eugene F. Hughes, the old contractor, at $\$ 3,200$. The contract calls for the care of all parks, squares, burial grounds, and the bath house and beach at King park, also the planting of all bulbs and plants.

A falling derrick came within an ace of seriously injuring James Matson, head gardener to Williau Grosvenor Mr. Matson, while badly shaken up and painfully bruised, is again about.

Iohn Robert Clarke, who recently severed his connection with the George A. Weaver Company, has established himself as a landscape gardener at 33 Dale strect, Roxbury (Boston).

William Ncil Campbell has been here for several days in the interest of Vaughan's Seed Store.

Among the visitors this week were Mr. Bryant, of A. H. Hews \& Company, North Cambridge, Mass; Henry C. Anthony, of Portsmouth, R.I.

## Glen Cove, N. Y.

The Nassau County Horticultural Society held its regular meeting March 1. One new member was clected. II. F. Mryer, superintendent for G. J:. Sheldon read a very interesting paper on tho growing of mushrooms. The first raruation exhibition of the society was hill. Some finc flowrers were shown. Sleceial mention was given io W. WilJison, garlener to H. F. Noyes, for sport from Enchantress. Also to F'. Boulon, for sport from Lawson. Nany others worr roprespated, inclurling F. Mense whth his white sceiling, Dosoris. S. T.
shflbyville, JND-Willis F. Lam hats solll out the business and stock of thi. Law Ploral Compiny to 1 . S. Limpms and donathan Tenant.

WE ARE STILL BOOKING ORDERS FOR OWN ROOT PLANTS OF THE NEW ROSE.

# Wellesley 

We have a very fine lot in $2 \frac{1}{2}$ inch pots at $\$ 25.00$ per 100.

## Having decided to increase our planting of

## WELLESLEY

We have several thousand first-class grafted BRIDES and BRIDESMAIDS in $2^{1 / 2-i n c h}$ pots, which we intended for our own use and which are now offered for sale at $\$ 10.00$ per 100 .

# WABAN ROSE CONSERVATORIES, NATICK, MLASS. 

JOHN N. MAY, - - - Summit, N. J.

## ROSES

Now is the time to place your orders and insure getting good stock for planting.
JOHN N. MAY,

Summit, New Jersey.



## CARNATION

## CUTTINGS.

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.
Per $100 \quad 1000$
Lawson............................. \$1.50 \$12.50
Guardian Angel.................... $1.00 \quad 9.00$
Enchantress......................... $3.00 \quad 25.00$
Morning Glory. .................... $1.50 \quad 12.50$
Mrs. Higinbotham................. 1.2510 .00
Estelie ............................... 2.5020 .00
Chicago............................... 2.00 15.00
Adonis ................................ $2.50 \quad 20.00$
Flora Hill ............................ $1.00 \quad 9.00$
White Cloud........................ $1.25 \quad 10.00$
Her Majesly.......................... $1.50 \quad 12.50$
Harlowarden....................... $2.00 \quad 15.00$
Orders Filled Promptly.
WIETOR BROS.
51 Wabash Ave., Chicago.

ROOTED
CUTTINGS.
Fine, Clean, Healthy Stock. Satisfaction Guaranteed.
ROSES
Per 100 Per 1000

|  | 180EFS. Per |  |
| :---: | :---: | :---: |
| BR1DES | 81.50 | \$12 |
| BRIDE |  | 12.5 |
| GOLDEN GA | 150 | 12 |
| IVORY.. |  |  |

CAREATETONS.

| RED | Per 100 Per 1000 |  |
| :---: | :---: | :---: |
| CROSADER | . 8500 | 845.00 |
| FLAMIN | 5.50 | 45.00 |
| PINK |  |  |
| MRS NELSON | 1.50 | 12.50 |
| MRS. LAWSON | 1.50 | 12.50 |
| GUARDIAN AN | . 1.00 | 9.00 |
| MRS. JOOST | 1.25 | 10.00 |
| GENEVIEVE LORD | 1.25 | 10.00 |
| ENCHANTRESS. | 3.00 | 25.00 |
| LICHT PINK <br> HIGINBOTHAM | 1.00 | 9,00 |
| WHITE |  |  |
| boston market | .. 2.50 | 20.00 |
| PERT | 1.00 | 9.00 |
| WEITE Clotd | 1.25 | 10.00 |
| QUEEN 1.OUISE | 1.00 | 9.00 |
| LORA HILL | 1.00 | 9.00 |
| VARIEGATED |  |  |
| M. A. PATTTEN | 5.50 | 45.00 |

## RED. REMBER日

51 Wabash Ave., CHICACO.

## Carnations

ROOTED CUTTINGS.
Send for price list of all the new and
standard sorts.
Wm. Swayne, Box 226

## 500,000 VERBENAS - 60 500,000 VERBENAS varieties

 The Largesl and Finast Stock in the Country. PERFECTLY HEALTHY——NO RUST.

60,000 GRAFTED ROSES For Forcing-...Finest Grown.
Orders booked for delivery io April, May and June.
LIEERTY, rose nots. $\$ 200$ per 100 33/-jocb pots, per $100 \ldots . . . . . .$. 92/8-iach pots per 100...................................................... 15.00 SEND FOR PRICE LIST.

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J.L. DILLON, Bloomsburg, Pa.
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Please mention the American Florist when writing.


## Toronto.

lent causes quiet
The Lenten season is having its effect on business and sales have fallen considerably. stoek of all kinds is overumentiol and in large quantities can he had at low tigures. It was expected that St. Patrick's day would relieve the market to some extent, but shamrock was the only artiele in demand. There were a few goot banquets, and though a number of flowers were alled for, green was the prevailing color and the other stock used did not make much impression on the general supply. Carnations are in umlimited quantities and fancies only having the call, though white are short iu supply. Bulbous stack suffers from the oversupply and there is a ghat on all sides.

## Notes

The retailers are having quite a hubbub among themselves. At a recent funeral one of onr progressive storemen headed the funeral procession with wagons containing the floral offerings and had them placarded with his name in sood sized letters.

Oring to the lateness of Easter the bulb growers are dubious as to the quantity of stock which they will be able to hold over and are predicting a shortage.

Wm. Fendley, of Brampton, was a visitor. At present he is cutting quantities of violets, but hardly expects them to hold over for Easter.

Thomas A. Plumb reports good business and finds considerable work in looking after both the store and his lately acquired greenhonses.
A. Houle has gone to Buffalo to attend the funeral of his sister-in-law.
H. G. D.

## Nashville, Teun.

From present indications and the very finc weather, as well as from the constant and ever increasing demand for flowers in this city, there will be considerable building and enlargement of capacity among the florists in and around this eity this season. Beyond repairing aud overhauling their flower plaut, Joy \& Son will make no special additions. D. MeIntyre \& Brother, who already have quite an extensive range of houses, will in the coming summer add 10,000 or 12,000 square $\mathfrak{l e c t}$ of glass, put in new boilers, and equip themselves for their large and growing trade. Messrs. Geny Brothers will add two more houses $25 \times 150$ feet and a foreing house. The smaller conerens, Mount Olivet cemetery, Haury İrothers and the Centennial Park Company, will make small arlditions.
The funeral of United States Senator Wim. B. Bate, which took place Monday, called for all the flowers obtainable, and some very elegant floral t.ributes wre upon or around the casket.

Geny Prothers manle al large and elatho mate pall, as a token wi romemhraneo from the Tennessee Ingislature.

Since the agremable ehange in the weather violote art coming in, in the Gratrest mafnesion.
M. D.

GakI.ANB, Gal.-An annual floral furs has hern planmen, for the benefit of tha charitable institutions of the "it:, to li. hell early in May cach year.

## FINE

STRONG
HEALTHY
CUTTINGS
ARE

SOLD AT
$\$ 10.00$ per 100 40.00 per 500

7500 per 1000
ORDER at ONCE

## W. J. PALMER \& SON, Lancaster, N. Y.

## EARLY STRUCK PLANTS <br> OF EARLY 'MUMS Ivory, Opah Opah, <br> Lady Fitzwygram, Polly Rose, Mme. Bergman, Glory IPABif, Monrovia, Monrovia, Ome』а, ARNATION \$2. $\underline{\underline{50}}$ Per 100 <br> For complete list of new and old varieties send for Catalogue.



Per 100
Gov Wolcott
Mrs. E A. Nelson
Mrs. E A. Nelson

| Per 100 |  |
| :---: | :---: |
| .... S2 $^{50}$ | The Queen...... |
| . 3.60 | Geo. H. crane . |
| . 4.00 | Glacier. |
| 2.50 | Lorna. |

Send for prices on large lots.

|  | Per 100 | SMALL PALMS from 2\%-inch pols. Per 100 |
| :---: | :---: | :---: |
| Dracaeoa Iodivisa, 21/r-inch | 83.00 | Kentia Belmoreana............... . . . d $600^{0}$ |
| * "* 3-1nch | 4.00 | Areca Lutesceas ...................... 4.10 |
| Boston Fern. 21/2-inch. | 3.00 | Latania Borbonica.................... 300 |
| Assorted Ferns for Dishes | 3.0 | Cocos Weddelliana ............... 8.00 |

The STORRS \& HARRISON CO. PaInEEvilite, 200,000 CARMATIONS

CLEAN, HEALTHY STOCK.


## LOOMIS FLORAL COMPANY, <br> Loomis, Cal.  <br>  <br> Bostoo Marke <br> 2.50 1.25 <br> 21.00 10.00

We have gone very the $2-i n$. Flora flill and White Cloud, at 81.50 per 100 to exchange for Hellotropes, Colous. Moonvine and Altornenthoras, Rooted Cuttinge
 from lawson.

GARDENIA PLANTS.
(GRANDIFLORA CAPE JESSAMINE.)
Our leading apecialty. Natural growing con ditions here ideal; size tells ita own story. We do not think they can be equaled elsewhere. 1 year, 18 to 24 -in., $\$ 1.50$ per doz.; $\$ 10.00$ per 100 bormant now and until February 25th.
C. W. BENSON,

Alvin, Tex.

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\section*{CARNATIONS | Routase |
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| cuthase |}

## WHITE LAWSON.

The king of white sorts. A strong grower and a iree bloomer. We have be filled in rotation. $\$ 7.00$ per 100; $\$ 60.00$ per 100.
Lady Bountiful Mrs. M. A. Patten Nelson Fisher... Daherm. Enchantress. Boston Mark Mrs. T. W. Gen. Maceo Moroing Glor Mrs. G. M. Brad Melba
Queen Louise White Cloud

## CRAFTED ROSES

We are now booking orders for future delivery. Write for prices.
wood bros, Fishkill, N. r.

## Hease mention the American Florist when writing

The Beautiful Pink Carnation

## CANDACE

身 20 per doz.: 812.00 per 100; 816000 per 1000 Dissemination 1906. Early comwercial.
INOIANABOLIS FLOWER \& PLANT CO., I Indtanapolis, JOHN HARTJE

ROOTED CARNAIION CUITINGS
WHITE LAWSON.................... $86100_{5000}^{1000}$ FLA VINGO............................... 8.00 50.00 ENCHANTRESS.
$300 \quad 25.00$
THE QUEEN............................ 550
Larchmont Nurserles, Larchmont, N. Y.

Wm. P. Craig Importer and

Pients, Bulbsand Seeds
1305 Fiberl Slrast.

## CARNATIONS ${ }^{\text {strong indicos. }}$ <br> WE OFFER FIRST.CLASS STOCK OF THE FINEST VARJETIES.

Variegated LavSOM. Tbis variety which we are introducing this season we Pure ivory vate are sure will prove to be the very best variegated sort.解 ertanong to horticulture, says that be koows that this variety will outbioom to give gatisfaction 12 per 100; $\$ 100.00$ per 1000
Red Lawson. A brightred sport of Lawson that is bound to be popular, and wif Cardina Bright cardinal or orlmson gcarlet. Won tirst prize for best 100 scarlet irs prize for best 50 carnations any oolor, first prize for best 50 scarlet seedling
(he queen of pink carnations; in a class by itself. Magnificent flowers; strictly Flallee. sancy in every respect. $\$ 1200$ per 100: $\$ 100.00$ per 1000.
Fred. Burki. Recommended as an extra ree-blooming white pariety and a claimant
e consider hisy variety, which we introduced lat season, the
WIILe LaNSOM. most proftable white carnation ever gent out. We thíuk it wil! outbloom any other white two to one. It has given great sutiafaction. When the fiowers areleft on the plants until fully developed they are much larger than ars. Thos. Wawaon. da belleva
 delivery. $\$ 7.00$ per 100; $\$ 60.00$ per 1000.

AOY BOUNTIFUL. A magnifleent white of Jast season's int
$\$ 5000$ per $\mathbf{1 0 0 0}$.
DAHEIM. Dark crimson. Grand stifi stem. calys never bursta. Free and abundant sider this the best all-around crimson carnation. \$6.t0 per 100; $\$ 60.00$ per 1000.
MRS. M A. PATTEN. This grand variegeted
We are now prepared to book orders for 908 DTREM
for THE COMINC SCARLET CARNATION
This is a real bread-and-butier variety. An early free and abundant bloomer. with good stem maguificent keeper and shipper; fiowers of the largest aize, commanding the very highest price This is going to be a monev maker. Ordera will be tlled in rota ing December nest. \$12.00 per $100 ; \$ 100.00$ per 1000
F. R. PIERSON COMPANY, Iarrytown-on-Hudson. N. Y.

# Now Ready. 

## White Lawson,

 Flamingo, Nelson Fisher, Crusader.$\$ 6.00$ per 100; $\$ 50.00$ fer 1000.
The Three Grand New CHRYSANTHEMUMS MAJESTIC, ADELIA and MADONNA.
R. C...... $\$ 3.00$ per doz; $\$ 15.00$ per 100 2-in. pots ................... 20.00 per 100

## The Fine New Pink Rose

LA DETROIT.
$21 / 2$-inch pots, $\$ 8.00$ per $100 ; \$ 75.00$ per 1000.
chrastion bas given aplendid satisfaction.
$\$ 600$ per 100; $\$ 5000$ per 1000 $\$ 600$ per 100; $\$ 5000$ per 1000 .
ENCHANTRESS. Freest blooming, bringing bighest markut prices. $\$ 4.00$ per 1.0: $\$ 30.00$ per 1000.
MRS THOS. W. LAWSON. $\$ 3.00$ per 100; $\$ 2000$ uer 1000.
PROSPERITY
ROSPERITY. A ma
n. $\$ 3.00$ der 100: $\$ 000$ par 1.00
rytown•on-Hudson. N. Y.

The New Red General MacArthur. $21 / 2$-inch pots, $\$ 8.00$ per $100 ; \$ 75.00$ per 1000 .

## CARNATIONS <br> WM. PENN. A promiaing pink bluonur pver happenta. From goill \$10 per 100.25 for $\$ 2.50$. Quean Loulso, frim soil at $\$ 1000$ per 1000 Florlana, from sonl at 81250 per 1000. Big Batch ol Cullings From ${ }^{\text {c }}$ and. Read March 20. Send tor March price list.

## GERANIUMS <br> ROOTED CUTTINCS. <br> Next Delivery Apil 17. $\$ 10$ and $\$ 2.50$ Der 1000 <br> 100000 Smilax. 50.000 Sprengeri. 50,000 Plumosus and Robustus. Ready June 1. Send for prices.

$\qquad$

## Louisville,

Last week was very satisfactory in every respect. The thermometer was near the sixty mark all week, and naturally brought stock out very rapidly, but much to our satisfaction. St. Patrick's day brought quite a demand for green stock, and green colored carnations went especially well, and were extensively advertised by some of the locals. Roses are of very geod quality, but are a little short in quantity. Car. nations are in good demand. Vielets of good quality have been heavily demanded, despite the enernous quantities obtainable. Mignonette of good quality can be had in quantities, with the demand geod. Bulbous stock of good quality has become a little short, and the demand is brisk. Plants have sold unusually well, owing probably to the warm weather.

William Walker is well satisfied with Mrs. T. W. Lawson carnation and will grew another big lot next year.

Schulz had a blanket for a recent funeral containing about 3,000 violets, alse lily of the valley and forget-me. nets.

## calination and hose show.

The Kentucky Seciety of Florists met March 7 at Nanz \& Neuner's store, and in connection with the regular meeting, held its regular carnatiou and rose show, which proved to be a great success. Many states were represented which cau be seen from the following: The Chicago Carnation Company, Jeliet, Ill., made a grand exhibit of nonsual merit, showing nine varieties: The Cardinal, Mrs. Lawson, White Lawson, Dorothy Whitney, Mrs. M. A. Patten, Prosperity. Enchantress, Lady Bountiful and llarlewarden. The J. D. Thompson Carnation Company, Joliet, Ill., made a much admired display consisting of Robert Craig, The Belle, Mrs. M. A. Patten, Nelson Fisher, and Enchantress. The F. K. Pierson Company, Tarrytown-on-Hudson, N. Y., made a display of some good blooms, which were especially admired owing to the long journey they had, the varieties being Victory, Dahcim, White Lawson, and Varicgated Lawson. Patten \& Company, Tewksbury, Mass., exhibited some exceptionally geod blooms of Mikado and Pink Patten. R. Witterstaetter, Cincinnati, O., displayed a very good pink one, The Aristocrat, which easily proved a favorite, it being just the shade desired. He also displayed Afterglow. H. Weber \& Sons, Oakland, Md., displayed My Maryland. WV. J. Palmer \& Son, Lancaster, N. Y., showed Red Lawson. John N. May, Summit, N. J., exhibited The Bride. Baur \& Smith, Indianapolis, Ind., displayed Flambeau and the ever beautiful Indianapolis. John Breitmeyer's Sons, Detroit, Mich., displayed rose La Detroit, and some large spikes of Antirrhinum (Snaplragon), which were Ereatly idmired. Tho Indianapolis Flower \& Plant Company, and John llartio, Imdiunapolis, Ind., displayed '"bractace, a pretty pink. Peter Reinbere, rhicago, Ih., displayed some very good Thele Foln and Sunrise roses. A. Inammussen, New Alloany, Ind., made a good display ol Mrs. Lawson, Hoosier Maid, and Euchantress. Davis Bros. Company, Bloomsburg, Pa., showerl Crisis and Mary Albert, which wer small but good. Jehn E. Haines, Beth-
lehem, Pa., exhibited a red of exceptional merit, the variety being Mrs. Jehn E. Haines, also a yellow, the Star of Bethlehem. Chas. W. Rayner, Anchorage, Ky., shewed Bride, Bridesmaid, Ivory and Golden Gate, all very choice roses. Nanz \& Neuner showed some very good Ivory loses, as well as many good carnations and other good stock. Charles W. Reimers made a very good display of Daheim, Prosperity, Queen, Flaminge, Enchantress, White Lawson, and some good mignonette. Jacob Schulz exhibited a good lot of seedlings, there being some very promising ones among them. Leo. Zoeller showed very good Mrs. Joost, Mrs. Nelsom and Enchantress.
F. L. S.

## Reading Character by Face.

A great number of business men when they're hiring an employe from a bunch of applicants, will sit and peer shrewdly into their faces, trying to size 'em up. They pride themselves on being judges of character, and I've heard them say, time and again, "I can, pick a good man all right by his face." I have seen so many cases where this has gone wrong that couldn't hegin to think of them all. Ago, once hired a man this way. He had ago, once hired a man this way. He had from the mint. Anybody would have trusted that fellow on his face would have trusted that fellow on his face, but he started to steal from the tin before he days. Wheo the bootman came out to look him up, he found that he had out to look him up, he found that he had His face lied the most capahle liars on earth His cace lied; the most capahle hars on earth
are human faces. The only way to know a person is to live with him. Every other test fails. He may have the face of George Washington, who never told ao untruth, and yet be able to lie in twelve languages.-Footwear.

## WANTED....

500 AMERICAN BEAUTY ROSES, from the benches; old plants. Address, stating price.
WM, SMITH, 115 west ${ }^{19 t h}$ stroot, Rlease mention the American Florist when writing.

## BARGAINS

In anything in the way of plants,
see GEO. A. KUHL'S Advertise-
ment in issue March 11 th, page 304.
 Verbena King

VERBENAS-Rooted cut-
in 6 B, HOC per $100 ; \$ 3.00$ VEs, hOC per 100; 83.00
er icoo. SALVIAS
St. Louia, the two begt of hem all $\$ 100$ per 100; $\$ 800$ par 1000 . ALTERNANTHERAS 70,400 red and yellow,
sept. struck, equal to 2 sept. struck, equal to 2.
in ithese are tine: 60 C
per 100 © 85.00 per 1000. HELIORROPES-The best
named varietiea, 8100 per 100; 88.00 per 1000.
COLEUS-Thirty oamed leading varietiea, 700 per 100 NETUN
PETUNIAS-King's Double White, the gragt hloormer, the for out flower work, 81.25 per 100 ; 810.00 per 1000

CUPHEA-(Clgar Plaat), \$1.25 per 100; $\$ 10.00$ per 1000 .
SWEET ALYSSUM-Oar big douhle glant, 81.00 per 100: 88.00 per 1000 .
LaNTANAS-5 beat varieties, 81.25 per 100; $\$ 10.00$ per 1000 .
tings, and guarantee antigfaction aod axttings, and guaruatee antiafaction and asfe
arrival. ${ }^{\text {Write for prices on large lota; also gend }}$ for list of rooted cutting a.
C. HUMFELD,

Clay Center, Kan. The Rooled Culling Specialist.
Please mention the American Florist when wriling.

## Carnations. Roses and 'Mums.

We Need Room. SPECIAL OFFER.
R. C. per $100021 / 2$-in. per 1000

 Crusader................................. ${ }_{40}^{50}$
Hhite Lawbon
15.00

Hhrite Cloud....................... 1250

Lawson....................... 12.50 2500
ROSES. 30, COO Chatenay. 2 and 3 pye cuttlogs, fin $\rightarrow$ Rooted cuttinga. $820.00,2 \% / 3$-in, $\$ 35 \mathrm{CO}$ wer 10 CO 20.0012 -ia. Beauties $\$ 3.10$ per 100, $\$ 45.10$ per R. C.
R. C., 81250 per 1000
'mums. Price list malled on appllcalion.
POEHLMANN BROS. CO , Morlon Grove, III. Please mention the A merican Florist when writing.

## CARNATIONCUTTINGS

WELL ROOTED, FROM SELECTED STOCK.

Same varieties from pots 60 c more per 100.
BACKER \& CO., Billerica, Mass.
Please mention the A merican Florist when writins

## Red Sport

## CARNATION.

The greal "Bread and Butler" holly berry red. Early and continuous, sure crop tor Christmas. Never splits; strong healthy eroner, $21 / 3$ to 3 inoh flower on long whry stem ihat well aupports the blonm, an oasy doar and an a, around money maker. Nough aid Prica ery. 86.00 per $100 \cdot \$ 5000$ per 100 paid. $\$ 6.00$ per 100; $\$ 5000$ per l'coo.
QUEEN LOUISE the standard whlte, atrong healthy well-rooted, 81.25 per 100, postpsid; 810.00 per 1000. Satisfaction Guaranieed.

A. B. DAVIS \& SOM, Pune

CARNATION SPECIALISTS.


The Commercial White?
If not do so. All orders buoked now are for March delivery........
JOHN MURCHE, Sharon, Pa. S.S.SKIDELSKY, Philadelphia.

## 

## Rooted Cuttings

PELARGONIUMS, 15 var., $\$ 225$ per 100.
VERBENAS, 30 var., 600 per $100 . \$ 7.00$ per 1000. HELIOTROPE, 12 var., $\$ 1.00$ par 100.88 per 1000. PETUNIAS, 20 var., 81.25 per $100 \quad \$ 1000$ per 1000
 AGERATUMS, 4 var., 60 os per 100 : $\$ 5.00$ per 1000 COLEUS, 40 var., 70 c per $100 ; 8800$ per 1000. DAISIES, 81.00 per 160.

Exprese prepald on all R. C. Cash with
S. D. BRANI, Clay Center, Kan.


Has proved to be the best scarlet carnation in the market to-day. Sample blooms shipped from the Chicago Carnation Co., for your inspection at cost price. * \& \& Rooted Cuttings, now ready: $\$ 12$ per 100; $\$ 100$ per 1000.


## 气0,000 Blooming Plants for Easier

20,000 Pots of LILIUM LONGIFLORUM, at 12c per bloom.
4,000 CRIMSON RAMBLERS, trained in unique and artistic designs. \$1 to $\$ 25$ each. 10,000 AZALEAS, 75 c to $\$ 25.00$ each. 3,000 HYDRANGEAS, 75 c to $\$ 5.00$ each. 3,000 SPIRAEAS, $\$ 4, \$ 5$ and $\$ 6$ per dozen. 3,000 ROSE PLANTS, $\$ 6, \$ 9$ and $\$ 12$ per doz. RHODODENDRONS, $\$ 1$ to $\$ 25$ each.
GENISTAS, $\$ 6, \$ 9$ and $\$ 12$ per dozen.
WETROSIDEROS (Bottle Brush), \$1, \$1.50, $\$ 2$ each.
A large assortment of HYACINTHS in pans at $\$ 9$ and $\$ 12$ per doz.
WISTARIAS, and other blooming Easter plants.

> Cash or reference.
H. C. STEINHOFF, West Hoboken, N.J.
Orchids!
Arrived in floe condition CAT TLEYA MENDE' LII, DESDROBIUM WIROIANUN, LAE LIA ANCEPS and ON 'IDIU A IIGRINUM UNGU'CULATUM. We a so ofer a tine lot of well-grown bulbs of CaLANIHE
VEIGA.
Lager is Hurrell, SUMMIT, N. J. Orchid Growers and Importers.

## Stanley \& Co. <br> SOUTHGATE, ENGLAND.

Cattleya labiata aulumnalis, magnificent; leafy dormant, plump and clean plants now arriving. WRITE.

## CYCLAMEN

SPLENDENS GIGANTEUW HYBRIDS. My wellknown strain in five true colors (spedings), twice transplanted from flats, including the fringed variety, well-growd plants, ${ }^{2} 300$ per 100; ${ }^{\text {per } 1000 \text {. Satisfaction guaranteed. }} 0$ per 1000. Satisfaction guaranteed.
PAUL MADER, East Stroudsburg, Pa.
Cinerarias $\begin{gathered}\text { Srom Benary's prize show fiow- }\end{gathered}$ colors and shades, dwart, or semi-dwart, figest colors and shades, dwart or semi-dwars, makes
fine selling plants for Easter; 3 -in., ready for $5-1$ fine selling plants for Easter; 3-in., ready for 5-
la. pots, 4.00 per 100. Cash.
pheliroad Greenhouses, Grange P. D., Balio., Md.

Please mention the A merican Florist when writing.


This NEW CARNATION has been thoroughly tried the last two years and is the best scarlet Carnation we have ever seen. It is a money maker. Send for descriptive circular. Price, $\$ 12.00$ per 100; $\$ 10000$ per 1000.

> J. L. DILLON, Bloomsburg. Pa.


ROOTED CUTTINGS
Strong, Healihy and Well-Rooted.
 Iodianapolis 400 Lawson… 1.251900
 $\begin{array}{llllll}\text { Enchaarress } & \text { M. } \\ \text { B. Market.. } & 1.55 & 15.00 & \text { Prosprrity... } & 1.50 & 14.00\end{array}$ Estelle...... $1.75 \quad 15 \mathrm{CO}$

Double Fringed Petunias | Weare |
| :---: |
| anway |
| 10 | besdquarters for these. Six distiact novelties

labeled, 81.25 per 100 , $\$ 10.00$ per 1000 . labeled, 81.25 per $100, \$ 10.00$ per 1000 .
Salvia, Two Besi, Lord Fauntleroy (dwarf) The W. T. Buckley Co.it ${ }^{\text {springeriel }}$

## Gold Medal Canna

WEST VIRGINIA.
Dry bulbs. 8300 per 100. Started plants April 1, $\$ \mathbf{~}, 0 \mathrm{k}$ per 100. Stock IImited. Speak quick.
GUS. OBERMEYER,
Box 219 PARKERSBURG, W. VA.


Dahlias Mrs. Winters The hesutiful new White is still queed
of tbe world, atrong tubers, 81000 per 100. The geborg Egeland cactus, $\$ 3.00$ per doz.; 820 per 100 . Oiber novelties and standards. Also duuble fluld grown Hoilyhocks true to color, 83.00 per 100. Gladioli, Peonies and Hardy Plants. Send for catalogue.
W. W. WIIMORE, Dahlia Specialist, Box 382, DENVER, COL.
Please mention the A merican Florist when wriling. BANKRUPT'S SALE

## Lansdowne, Pa.

Entire florist and nurserv business of W . L. Rementer, consisting of flowers, plants, bulbs, three large greenhouses, stone residence and stable.

For full particulars, address,
EDWIN B. LEWIS, reciver.
LANSDOWNE, PA.,
Or his athorneys
RE3ER \& DOWNS, 1001 Chestnut St., Philadelphia.

## 100,000 Alternantheras.

STRONG ROOTED GUTTINGS.
Brlllianlissima. the best deep red, 75 c per 100 ; $\$ 600$ per 1000 . A. Nana vellow, 500 per 100; $\$ 400$ per lu00. P. Major, red. 50e per $100 ; \$ 4.00$ f+r 1000.
Special prices oo 5000 or more. DAVIS BROS., Morrison, III.

Bulbs and Plants.
For finrists' use, spring or fall dellvery. We import to order. Let us appralse
AUGUST RÖLKER \& SONS, 31 Barclay St., NEW YORK, P. 0. Box 752.

## Syracuse, N. Y.

A Syraeuse custom which has been a great help to the florists is that of bolding openings at millinery stores. During the past weck Wheadon $\mathbb{\&}$ dencle decorated three stores with balms, ferns, blants and cut flowers. Grehestras are hirel to attract the people and the stores are fitted up as if a reception were in rrogress. Other week and all the florists expect to get a chance.

Robert Dunn, foreman for $P$. R. Quinlan d Comprans, is in Boston attending the exhibition of the Massa"husetts Horticultural Society. He took with him some spendid roses and carnations which the company will put on Pxhbition. Everything at the Quinlau greenhouses is looking well. As soon as the weather permits a new greenlouse will be built at the Valley range. Syracuse florists who do not have areenhouses say that they rely upon the alvertisements in the American Frorist for anything they may want. They fiml that the adrertisers are reli. able and give them good service.
Louis A. Guillame, of Onontlaga valley, carnation grower, was in town a firw days ago. He says his Enchantress, Lawson, Marquis and Flamingo re looking especially well.
Bard \& Davis are working up a large tranle in Geddes and Solyay and fimd their new greenhouses a profitable venture. Furtlier expansion is probable.
L. G. Colyn, representing the firm of Van der Guyten \& Colyn, of Holland, doalers in bulbs, was visiting Syracnse trade last week.
Henry Morris says carmations and lauts are the most in drmand at pres ont but people are not willing to pay igh prices.
The greenhonses of L. E. Marquisee tw looking well ant inis new varieties are thriving splendidly. A. J. B.

## Oceanic, N. J.

It the last mexting of the Monmonth 'onnty Horticultural Society it was announcerl who were the winners of the "ssays on "•hose Culture Under Glass," written loy the assistant entreners. l'irst frize was awarded to Charles
 IV'ongerter, one-time gardener at Selmax Hoss estate Chatles Wengerter is at pramt employed at the C. N. Bliss mment. At the announcement Mr. Wragerter expressed his pleasnre in rowiving the frize, since he is the fonngest gardener in the soumety, hoing

 lshiss, place. mader Mr. binterloach, and is at prasent emplaven Fin. Thirner, suprintemblent of 1). Borlem's estate.

Wh. Dowlen was elected vice presi Frot in phate of $A$. ( C . Williams, who Wr. ladime's placu, Villa Nova, Pa. Anderson read a womlerful article 'hrysanthrmums'" from the Delinloy N. Ifutson Moore.
Wh vasus of Notcissus biniress mer Whinited by W. Turner whirla recoived
on and 95 wints. Tho judues of the "woring ware W. W. Kimurely, dames

## COLEUS

## ROOTED CUTTINGS

Verschaffeltli, Fire Brand, Golden Queen, Beckwith's Gem, Lord Palmerston, Qupen Vicioria and Faucies, 60 c per 100; 85.00 per 1000 .
Golden Bedder (original) and Hero 75e per 10): 86.00 per 1000 . A discount of 10 per cent allowed on 10,103 or more Coleus. More liberal discount targe orders.
aceratum, Priacess Pauline and Stella Gurney.
SALVIA, Splendens and Jean Revenal, rooted uttings, 7se per 100: $\$ 6.00$ per 1000.
VINCA VARIECATA, 3 -in. pats, 5500 per 100.
FRANK A. PIERSON, $\underset{\text { cromwell. }}{\text { coNN. }}$

## SPRIIG IS HERE.

## hardy pedfnilais must s00n be pianied.

We bave a large stock nf the Best Varieties ready to ship. Send a list of your wants for quotations.

## NATHAN SMITH \& SON, AORRMMC

Pansies 200,000 Pansies
Fine large iransplanted plants. prize strain of the famous large flowering Bugnats, Cassiers, Odier and Trimardesu. Stocky plants rom cold frame, 50c pa xitra large plants coming in bud, $\$ 1.00$ per Mammo
Mammoth Verbenas, 60c per 100: 8500 per 1000 Slocka, dbl, white far Easter, $\$ 1$ ner $100 \$ 8$ per 1000 Fevertew. dbl. white, 81.00 per $100: \$ 8.00$ per 1000 Saivia Splendens, 81 00 per 100
Lobelia dwari blue, $\$ 1.00$ per 100
Ageratum, dwarl blue, 60: per 160
Roses ciotilde Soupert, in bud or bloom, 4-incb, $\$ 1200$ per 101
HILL TOP GREENHOUSES. 15 Gray Ave., Ulica, N. Y.

## Pansy Plants

Large flowering, 60c per $100 ; \$ 2.50$ per 1000 . Per 100 Asp. Plumosus Nanus, small plants to close 1.75 10 Vars Ceranlums, $2 \not / s$ pots and 2 -in. pots 300 Alternantheras, red and yellow, March 1..... 2.00 10 Vars. Coleus, 2-in. pots, March 1........ 2.00

JOS. H. CUNHINGHAM, Delaware, 0 .

## Dansies $\begin{gathered}\text { The Jennings } \\ \text { Strain. }\end{gathered}$

Fine cold-rrame plants in bud aod bloom Finest mixed colors Ready April Ist. Price, 81.50 per 100 . Casb with order.

E, B, JENMINGS, lock Bn天 254, GROWER OP TEE FINEST PANBIES.

## GIANTPANSIES.

 n distiner colors or moved. Siring transplanted Peonies in the assoriment. Distinct polars numpis sorta, 91.50 do\%pli; $\$ 1000$ per 100 ; white ard purple, fomatis iwargers, home.grown, she: 4200 per dos.; $\$ 15.40$ per tio. Panlculata, htronu, t1 01 per doz': 8800 per 100 2y/a-in. pots. 75 c per do 2 ; 400 per 100

F A BALLER, Bloomington, ill.

## Pansies ${ }^{1000,000}$

Extra large feld-arowb plants Kind Thsi Sell. Per 100, os.00; per 1000, \$:0.00. ALBERT A. SIWYER. Ppansy Succersor ta 'r'bos. I. Corbrey, 23.33 S. Hariam Avo.. OAK PARK, ILL. l'elephone, ifsrlem 23+2.

[^6]The...
AMERICAN FLORIST

## CHRYSANTHEMUMS S.uanain

EARLY, Yellow. - R. Haliday, Monrovta. Wbite. Polly Rose, Mme. Bergman. Ivary, Willowbrook, Geo. S. Kalb. Pink.-Glory of Pacific, Piak 1 vory Lady Harriet, Montemart.
MIDSEASON. Yeilow.-Maj. Bonnaffon, Co. Appleton, Yellow Eaton, Percy Plumrídge. White.-Mrs. H Robiason, Mrs. Weeks, T. Eaton. Pink.-Mlle. Liger, Mrs. Probla. Red.-Black Hawk, Mrs. Coombes.
LATE. Yellow.-W. H. Lincoln, H. W. Rieman. White, Mrs. J. Jodes, Yanoma. Pink.-Maud
Roan. Cuttlnge, $\$ 1.50$ per 100; $\$ 1250$ per 1000 . Plants from 216 -1n pots, 8250 per 160 . 30 per 1000 . These are all good standard varieties. Only trong healthy plants used for stock. All cuttings and plants guaranteed strictly up in quality.
Terms: Cash or satisfactory refereaces.
Baur Floral Co., Erie, Pa. ASSORTED FERNS.

## Hardy Ivies.

$21 / 2$-inch oots, plants 4 to 10 incbes in height, b. 50 per 100

## Cannas.

Started plants out of sand, 4 to 10 inches, ready for pots. $\$ 300$ per 100 . Varieties, Queen Charlotte Mwe Crozy, Alph n:e Bouvier, Egandare and Italia. Casn with order pleas.

## C. A. KNAPP, <br> Chestnut Hill, PHILADELPHIA, PA. <br> ROOTED CUTTINGS OF EARLY <br> CHRYSANTHEMUMS.

Opah, Mme. Bergman. Willowhrook
and October Sunshine.
Rooted Cuttings of VIDLETS of all kinds.
ELI CROSS, Grand Rapids, Mich. Chrysanthemums fandediduturss

## A FEW OF OUR LEADERS

Wm. Duckham. Ben Wells, $8: 2$ per 100 F A. Cobbpld. Luila Fikins, $\$ 3$ per 100. Mrs. Thirkell, 81.50 per 100 Asparagus Sprengeri strong 234 and $3 / 4-1 n$. $\$ 1.75$ per 100: 215.00 per 140).
Send lor complete list. No order filled less than $\$ 1$
W. A. CHALFANT, Springtield, Mo.

## Chrysanthemum Noveties

Merstbam Yellow, White Coombes. Emily Mile ham, Valerie Greenham, Mrs. H A Allwn and ail other novelties 500 each; $\$ 5.00$ per doz. per dozen. Send for list.
charles h. TOTTY, Madison, N. J. ORCHIDS

Largest Imporiers, Exporiers, Growers and Hybridists in the World.
SANDER, St. Albans, England. Agent, A. . ImMock, 31 Barctay St. NEW YoRk CIIY HINODE FLORIST CO. ..JAPANESE NOVELTIES...
TINY PLANTS. in 2 and 3 -in. decurated Japan-
ese vots, $\$ 1500$, 82000 and $\$ 25.00$ per 100 . ese yots, $\$ 1600$, 82000 and $\$ 25.00$ per 100 . RHAPIS, 5 to 15 sho ts, 50 ceots each.

IARGFSI GROWIRS OF IASTIG II IIS.
WOODSIDE, N.Y. sond WHITESTONE. L. I., N.Y.

## JOHN BURTON, Assignee tor <br> ROBERT CRAIG \& SON, roses, palms, <br> and Novaltios In Decorative PIants.

Market and 49th Sts., Philladelphla, Pa.

# DREER'S HARDY PERENNIALS $\frac{\text { mats sumen }}{\text { an }}$ 

If yon are not ioterested in a geoeral lioe of Hardy Perennials, but have use for summer cut fowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for thig purpose as well as being an attraction to your grounds. We have a large stock and the plants offered are all of such size that they will give the best pos-
sible returns. For a complete list of this class of plants as well as all other seasonable stock see our Curreat Whalesale List.

Anemone Japonica. Not the usual winter killed class of stock. but good vigorous plants growing in 3-inch pots. Japonica, red. Alha, white Lady Ardilaune, extra large white. 750 ner dozen; 86.00 per 100 .
Anemone Prince Henry. Large double rich deep pink flowers. A fine new introduction \$ $3 .(0)$ per dozen; $\$ 15.00$ per 100 .

## Per doz. 100

 Achillea, The Pearl, strong 3-in. pots $\$ 75 \$ 5.00$ $\begin{array}{llll}\text { Asclepias Tuberosa, stronglyr. old roots } & \text { T. } & 6.00 \\ \text { Asters hardy in var. strong } 3 \text {-id. pots. } & 1.00 & 8.00\end{array}$Edna Mercia; a fine new pink var.

Boltonia Latisquama, 4 -in. pots ......... 2.00 . 65 Asteroldes. 4 -in. pots
$\begin{array}{ll}75 & 6.00 \\ 75 & 1.00\end{array}$
Campanula Morhemi, 3-in. pots......... clumps.

Caryopteris Mastacintha, 3 -in. pots $\begin{array}{lllll} & 1.00 & 8.00 \\ 75 & 6.00\end{array}$ Cbrysanthemum shasta Daisy, 2h-in. Chrysanthemum Maximum Triumph Cimicifugat Simplex (rare) strong plants Ciematis Fecta, strong year ord $\quad 1.5012 .00$ | Coreopsis Labceolati, heary |  |  |  |
| :--- | :--- | :--- | :--- |
| Delphininm | pots. | $\tilde{n}_{5}$ | 5.00 |
| 5 | $6 . c 0$ |  |  | Belladona (ruag d-in. pots flowering (rire) very free

Diaothus Latifolius Atrucoccineus ats inch pots
Digitalis Gloxiniaefora, 4 in pots..... Doronicnm Austritcum, 3 Em. Bots
Erizeron Coeruleus Grandiflorus, 3 -in
6) 4.00 Eupat rium Ageratoides, 4 -in. pots...... Feverfew Little Gem, o 4 -in, pots..... Funkia Subcordata Alba, 4 -in. pots... Gaillardin Grandillora, heavy 4-inpots.
 Heleatuta Autumnale Superbs, 4-ia. Pumilun, 3-in, pots Helianthus Multiflorus Fl. Pl., strong. Maximiliaua, strong. Meteor, strong Soleil d'Or, strong $\begin{array}{ll}1.0 & 8.00 \\ 1.00 & 8.0\end{array}$ Heliopsis Pitcherianos, 4-in. pots

HENRY A. DREER,


 Statice Fximia, strong 8-in. pots $\quad 75.00$ Statice Fimma, strong $3-1 \mathrm{~m}$. pats

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\end{array}
$$ oticimalis, 4 -in. pots .... ... $1.00 \quad 8.00$

(INCORPORATED)
714 Chestnut St., Philadelphia.
Pease mention the A mer ican

## Scottii Ferns.

Much more valuable than the Boston Fera, beesuse with the most ordinary calture it will grow Into besutiful compact apecimá plata.
 3-ineh....................... 3008000.00
Pierson Ferns $\begin{gathered}21 / 3-\text { inch } \\ \text { per } 100 \mathrm{c}\end{gathered}$ per dozeo, 4.00 THE CONARD \& JONES CO. WEST GROVE, PA.
Please mention the $A$ mirncan Fion ist when writing. BOSTON FERNS.

Extra fine slook, out from brach dow raady for 5, 8,7 and 8 -lach pots, at $8500,850.00$, 875.00 and PLUMOSUS NANUS, Cash or referance plasse.


Davemport, Ia.
flomists' club meeting.
The regular monthly meeting of the Tri-city Florists' Clul took place ou the evening of March 16, at the residence of Harry M. Bills, of the Bills Floral Company. Nearly every member of the chub was present. After the usual business of the elub was condueted, the election of officers took place, which resulted as follows: President, John Temple, of Davenport; vice-president, Henry Pauli, Davenport; recording secretary, llemry Meyer, Rock Island; financial secretary, Theodore Ewoldt, Davenport; treasurer, Adolph Arp, Davenport; execntive committee, Harry Bills, Davenport; Henry Gaethje, Rock Island, and William Knees, Moline.
It was agreed that the meetings of the society shall take place in the afternoons of the second Thursday of each month, instead of being held in the evenings of the same date, as heretofore. The club accepted the invitation of Henry Pauli, of Davenport, to meet at his place of business at the next regular meeting. William Knees and Emil Bochm both gave a very interesting talk on poinsettias. The hostess treated the visiting florists to a fine luncheon and cigars.
notes.
Ewoldt Brothers had a large decoration on St. Patrick's day for the Onting Club house, for one of the most brilliant aftairs of the scason.

Forles \& Bird caught the rest of the florists napping and were the only ones to have green carnations on St Patrick's day.

Easter stock is coming along nicely, and everything points to a large trade, with plenty of flowers to supply it.
Henry Gaethje, of Roek Island, intends to take a trip to Germany as soon as the spring rush is over.

Andrew Bahr is confined to the house with the grip. Mrs. Bahr, his mother, is also quite ill.

Ewoldt Brothers will open a cut flower store at 317 Brady street April 1.

TED.

## Minneapolis.

Trade continues in the same trend as last week, with plenty of stoek to fill all orders, and no sign of an inerease in business for a while. American Beauty roses are the only flower that has any decided demand. Carnations are bringing from $\$ 1.50$ to $\$ 3.50$ for fan cies, but on large orders this priec does not hold. Bride, Bridesmadid, Liberty, etc., are commandiug trom $\$ 3$ to $\$ 8$. Bulbous stock is suflicient to meet all demands, 'xeppting tulips. St. F'atrick's day caused fuite a flurry in the market for white earuations, which were dyed green for the occasion, and met ready sale by the single hloom.

Thompson \& l'itthey had some shamrock plants whicle sold to good advantage St. Patrick's day.

Carl Strahle, who js now rmning the Mrndenhall grenhouses at Minnehaha Fralls, is srosting in some good lily of the valley and bulbous stoek.

Rice Prothers are roceiving some firgy shipmonts of smilax strings of gond quality.


## Money by TELEGRAPH. <br> Order now, the TELEGRAPH GERAN1UM. Will make money faster than any plant you handle this season. A prize winner all over. Pronounced the finest an the market. Will gell

 may handle this season. A prize winner all over. Pronounced the finest anoff your bench at sight for $\$ 3.00$ per doz., and give tone to your establishment.

STRONC PLANTS, 2K-INCH, $\$ 15.00$ PER 100 . Fur sale by the leading houses, and

## Thomas Devoy \& Son, Poughkeepsie, N. Y.

## DAHLIA KAISERIN AUGUSTA VICTORIA:

The Best White Dahila In Existence. My ownimportation. I control the entirs stock of $1 t$. Fjowers double, of the purest white, 4 to 5 inches io diameter. A wonderful bloomer. Stams, 12 to 18 inohes Iong. Plants 3 to $3 y$ fest high. The finsat planta from cutlings.
Good strong stock from 24 -inch puta, 83.00 per doz. 820.00 par 100 . Dslivery May lst. Orders flisd la rotation. Early bookiog suggested. Highly oommended by the American Institute aad the New York Floriata' Club. Address
A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

## Bedding Plants.

Alternantheras, red and yellow.
Alternantheras, red and yellow, 85.00
Aug. R. C. very stroog..... 8.00
Ageralum. dwarf, blue and white
Alyssum, Giant, double s weet... Carnations, R. C. from soil
Cobæa, from flats, transplanted
Feverlew, Little Gem.
Forgel-me-nots.
Forgel-me-nots
Fuchsia. 6 nam
Heliolrope
Margueriles, Etoile dor, yellow
Geraniums, 20 varistige..........-
Petunias, double fringed, white andiovar.
Pansies, in bud and bloom ..... 10.00 Salvia, 4 nsmed varielies......... Verbenas, io white, piak, blue, 23/2-in. R.C. acarlet and mixed tranaplt'd
Vegetable Planis. prics list mailed frea
Add 100 per 100 for postage on rooted outtings.
Cssh plesse.
LUDVIG MOSBAEK, Onarga, III,

## A FEW GOOD THINGS <br> YOU WANT.

KENTIAS, As ine a lut of single and made-up plants as ever grown, 4-In., $5-\ln$., 6-In., 7 -in., nd 8-in. pols, at 200, and 825.00 par 100 . a nd 825.00 par 100
8800 Rer 100 PLUNOSUS, 2 and $8-1 n ., 84.00$ and
ASPARABUS SPRENGERI, 2 and 8 -In., 83.00 and 5.00 per 100.

GERANIUMS, Jean Vlaud, B. A. Nutt, Castalrana, Jobn Doyle, Perkins. Single and Double, Gen. Grant, La Favorlte, Mme. Salleroi, 2-in.
GLADIOLUS BULBS, good mixture, 750 per 100 , $\$ 6.00$ per 1000 .

GERMAN IVY. 2-In, 82.50 per 100.
SCARLET SAGE, LOBELIA, VERBENA. VINCA VAR. HELIOTROPE, DOuble and Single PETUNIA, 2-in. pots, 82.00 per 100 .

## CASH WITH ORDER

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

## EasterStock

> IN EASTER LILIES, HYDRANGEAS, GENISTAS, SPIRAEA GLADSTONE, RHODODENDRONS.

Palms, Ferns and Decorative Stock.
R. DREYER, woonsing,

## The Brockton Dahlia Farm

Was frozen up last year, but la thawed out this year, and is ready for business, with the Finest collection of Dahliss In the United States Send for price list.
W. P. LOTHROP, EASt aridgeewater,

## Easter Plants

## A SPECMALTY.

Notice-Lowest prices on goud stock. All ahowing buds and osn be forced into bloom at once or can be easily kept for Easter blooming.
Spiraea Compacta, Floribunda, Japonica, all are jarge plaats. 6-inch pote, 8 od per doz. Giadstone irom $83.00,84,00$ to 85. CO per doz. Azalea Indica, heve $1,500 \mathrm{Mad}$. Van der Cruyasen, 8 s round as an apple, covered with buds, $75 \mathrm{c}, 81.00,81.25$ to 150 each. Othar leading varleties, all ahades, 60 c $75 \mathrm{c}, \$ 1.00, \$ 125$ to 81.50 esoh. Litium Harrisii and Japan Multiflorum, 6 -inch pots. from 3 buds up, 100 par bud. White Daisies. (Marguerites), 6-1noh puts, 8250 per doz. Hydrangea Otaksa. 0-1nch pineria doz.: 4 to 5 .1ach pots, $\$ 1.25$ per doz Begonia doz.; 4 to 5.1ach pots, $\$ 1.25$ per doz. Begonia 82.50 per daz. Roses. American Beauty, larga 6-Inch pots, 400 : Brides, Kaiserin, Hermosa and other hybrids, $51 / 2$-inch pots, 25 to 30 c eaob Hyacinths, frst size, 4-inch pota, sll shades © 10.00 per 100 . Dbl. Tulips, Tournesol, 3 bulbs in a 4 -inch pot, 81.50 per dozen pols. Daflodils, Von Sion, double nosed, 6 -inch pota, 3 in a pol, 82.00 per doz. All bulbs dormant in cold irame, wli take two to thrae weaks to furce into bloom.
Araucarie Excelsa, 7 -inch, 5 to 6 tiers, 25 to 30 snd mors inches high. 81.50 esch. Ficus Elaslica 25 to 30 inches high. 6 to 7 -inoh pots, $\$ 6.00$ to $\$ 7.00$ per doz. Primula Obconica, 54 -inch pots, full of owera, $\% 2.00 \mathrm{par}$ doz.
I sm the Moon Vine grower of the Iand. 10,000 now ready in $2 y$ ginch pats of A. W. Smilh's po Horin pas In the woid.

GODFREY ASCHMANN,
Wholessle Grower and Importer of Pot Pisals. Bell Phone Tloga 8809 A.
1012 Oniarlo Si. PHILADELPHIA, PA

## Vinca Variegata.

HARDY PINKS, large fild-gmown, 5 sorts, $3 \% 10$. PARIS DAISY, Gisnt 2-inch, 20.
DOUELE DAISIES, Snowbsil, Longfollow, 0.50 per 1000 .
ABUTILONS, 4 variallar, 2 K -inoh, 2 Yo.
SALVIAS, 2-in., Bunfire, Splendens, Silverspot,
\$17.60 per 1000
CERMAN IRIS, divided roots, $\$ 1.00$ per 100 .
VINCA VARIEGATA, 2 -in. 20
COLEUS, 15 kinds, 2-in. 2c.
HOLLYHOCK, double, 5 kinds, small 1 year old,
FORGET-ME-NOT, Eperblooming, 2-in. 11/2c.
RUDBECKIA, divided ronts, 81.00 per 100.
COREOPSIS Lencifolle, field, 2c.
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Azaleas $-10,000$ azaleas, 75 c to $\$ 25$ each, for Easter
H. C. Steinhoff, W. Hoboken, N. J

Cactus-Cactus Ingeborg Egeland, leading scarlet, $\$ 3$ per doz., $\$ 20$ per 100

Canna-Gold medal canna West Virginia. Dry bulbs, $\$ 3$ per 100; started plants April 1, $\$ 5$ per 100 . Limited

Gus. Obermeyer, box 219, Parkers burg. II
Cannas-Started plants out of sand 4 to 10 -in., ready for pots, $\$ 3$ per 100 var, Queen Charlotte, Mme. Crozy, AlCash with order delphia.
Carnation-Rooted cuttings. Kennet
Square, Philadelphla, Pa.

Canna-King, Humbert, ${ }^{3-\mathrm{in}}$, pot 100

Vaughan's Seed Store , Chicago and $^{\text {S }}$ New York.
Canna-New canna, Mrs. Wm. F. Kasting. Gold medal winner, St. Louis; each; $\$ 9$ per doz.; $\$ 50$ per 100 ; stock limited.

Wm. Fr Kasting, 383-85 Ellicott St.,
Carnations-Rooted cuttings from soil.

Ludvig Mosbaek, Onarga, Ill.
Carnation-Wm. Penn, a promising novelty, at $\$ 10$ per 100,25 for $\$ 2.50$; Queen Loulse at $\$ 10$ per 1,000 ; Florlana at $\$ 12.50$ per 1,000 . B1g batch of cuttings from sand ready March 20. Send for March price list.

Albert M. Herr, Lancaster, Pa.
Carnation-Rooted carnation 0 cut per 1000; Flamingo, $\$ 6$ per 100, $\$ 50$ per 1,000; Enchantress, $\$ 3$ per 100, $\$ 25$ per 1,000; The Queen, $\$ 2.50$ per $100, \$ 20$ per 1,000; Cardinal from 2-in. pots, $\$ 12$ per 100.

Larchmont Nurseries, Larchmont, N. Y.

Carnation-Crisis (new), $\$ 12$ per 100; Mrs. Patten, $\$ 6$ per 100 ; Judg Hingdale, \$4 per 100, Lady Bou. Fia 5 per 0 Ber 100 Dorothy Whina 3 per 100 . Golden beanty $\$ 3$ per 100 Prosperity, Golden Beauty, $\$ 3$ per 100 Prosperity, $\$ 2$ per 100 ; Mrs. J. H. Man ey, $\$ 2.50$ per $100 ;$ Wm. Scott, $\$ 1.25$ per 100, $\$ 10$ per 1,000 ; Lorna, $\$ 1.25$ per 100 $\$ 10^{\prime}$ per 1,000 ; Eldorado, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 ; Eldorado, $\$ 1.25$ per 100 , $\$ 10$ per 1,000; Mrs. Joost, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 ; Enchantress, $\$ 3$ per 100 , 100 per 1,000; $\mathbf{1 2}$ per 1,000 Flora Hill, $\$ 1.25$ per 100, $\$ 12$ per 1.000; Flora Hins. $\$ 1.25$ per 100, $\$ 15$ per 1,000; Adonis, $\$ 2.50$ per 100 , $\$ 20$ per 1,000 ; Harry Fenn, $\$ 2$ per 100 , $\$ 15$ per 1,000; Gov. Roosevelt, $\$ 1.50$ per $\$ 100$, $\$ 12$ per 1,000 ; Mrs. P. Paimer, $\$ 1.25$ per $100, \$ 10$ per 1,000 ; The Queen, $\$ 2.50$ per $100, \$ 20$ per 1,$000 ;$ Mrs. E. A. Nelson,
$\$ 1.50$ per 100 , $\$ 12$ per 1,$000 ;$ Portia, $\$ 1.25$ per $100, \$ 10$ per 1,000 ; Queen Louise, 1.25 per $100, \$ 10$ per 1,000 ; Dorothy, $\$ 1.25$ per 100 , $\$ 10$ per 1,000
J. L. Dillon, Bloomsburg, Pa.

Carnation-Carnation Bride, $\$ 5$ per 100; $\$ 50$ per 1,000 ; Phyllis, $\$ 12$ per 100 ; $\$ 100$ per 1,000

John N. May, Summit, N. J.
Carnation-Wolcott. White Cloud, Norway, Lawson, Morning Glory, Mrs. Joost at $\$ 12.50$ per 1,000 E Flamingo, and Estelle, $\$ 25$ per 1,$00 ; 1,000$ Amer$\$ 50$, and Crusader, $\$ 40$ per 1,000; AmerGatety $\$ 15$ per 1,000 . All plants shipped from greenhouses, Hinsdale, Ill.
Bassett \& Washburn, 76 Wabash Ave., Chicago, Ill.
Carnation-Rooted cuttings, ready now. Write for price list. Forner \& Sons Co., La Fayette, Ind.

Carnation-Rooted cuttings. Chicago, $\$ 10$ per 100, $\$ 120$ per 1,000 ; Boston Market, $\$ 2.50$ per $100, \$ 20$ per 1,$000 ;$ Belle, $\$ 5$ per 100 , $\$ 45$ per 1,000; Flora Hill, $\$ 1$
 $\$ 9$ per 1,000 . Rlchmond Geems, $\$ 10$ per $\$ 00, \$ 75$ per 1,000 ; Crusader, $\$ 5$ per 100 , 100 , $\$ 75$ per 1,000; Crusader, \$5 per 100 , $\$ 4 \mathrm{per} 1,000 ;$ Estelle, $\$ 2.50$ per 100 , $\$ 20$ per 1,000; Indlanapolis, $\$ 5$ per 100 , $\$ 45$ per 1,00. Phyns, glory $\$ 1.50$ per 100 $\$ 12.0$ per 1000 Mrs 'Joost per per 100 , 9 per 1.000. Mrs. Huginbotham per 100, $\$ 9$ per 1000 Guardan Angel $\$ 1$ per 100 , $\$ 9$ per 1,000: Nelson, $\$ 1.50$ $\$ 1$ per $100, \$ 11.50$ per $1,000^{\prime}$ : Enchantress $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Lawson, $\$ 1.50$ per $100, \$ 12.50$ per 1,000

Peter Relnberg, 51 Wabash Ave., Chi-

Carnation-Carnation cuttings. The best now ready. Lady Bountiful, $\$ 6$ per 100; $\$ 50$ per 1.000 White Lawson, $\$ 6$ per 100; $\$ 50$ per 1,000; Crusader, $\$ 5$ per 100 $\$ \$ 100$ per 1,000. Harlowarden. $\$ 2$ per 100; $\$ 15$ per 1,000. Enchantress, $\$ 3$ per 100; \$25 per 1,000. Mrs. Lawson, \$2 per 100: \$15 per 1,000. M. A. Patten, \$6 per $100 ; \$ 50$ per 1,000 . N1. Field, $\$ 3$ per $100 ;$
$\$ 25$ per 1,000. Prosperity, $\$ 2$ per 100 ; $\$ 25$
$\$ 15$
per 1,000 .
per

Chicago Carnation Co., Joliet, 111.
Carnation-Carnation Fred Burki. All orders booked now are for March delivery. The Cardinal, best scarlet, $\$ 100$ per 1,000 .
S. S. Skidelsky, Philadelphia, Pa.

Carnation-The Cardinal; best scarlet in market today; rooted cuttings now ready. $\$ 12$ per $100 ; \$ 100$ per 1,000 . E. G. Hill, Richmond. Ind.

Carnation-The Cardinal, best scarlet in market; rooted cuttings now ready. $\$ 12$ per 100; $\$ 100$ per 1.000. Jollet, Ill

Carnation-Unrooted carnation cuttings, Queen Loulse, Portia, Crocker, Goodenough, 50 c per 100 ; Lawson, $\$ 1$ Der
100 ; Gladiolus, bulbs, 75 c per 100 , $\$ 5$ per 1000 Cash with order

George M. Emmans, Newton, N. J.
Carnation-Carnation, rooted cuttinge The Queen, Estelle, $\$ 2$ per 100 ; $\$ 15$ per 1,000. Flamingo, $\$ 3$ per 100; $\$ 25$ per $1,000$.
-E. H. Blaumeuser, Niles Center, Ill.
Carnation-Crisis, $\$ 12$ per 100, $\$ 100$ per 1,000 .
J. L. Dillon, Bloomsburg, Pa

Carnation-Red Sport, holly berry red, $21 / 2$ to 3 -in. flower. Immedyate de${ }_{25}$ livery, price, $\$ 1.50$ per doz.; $\$ 2.50$ for 25; \$4 for 50 ; all postpaid, $\$ 6$ per 100 ; 100 postpaid; $\$ 10$ per 1,000 .
A. B. Davis \& Son, Purcellville, Va.

Carnation-Strong rooted cuttings N. Fisher, $\$ 5$ per 100; Indianapolis, $\$ 4$ per 100 ; Enchantress, $\$ 2.50$ per $100, \$ 24$ per 1,000; E. Market, $\$ 1.75$ per 100 . $\$ 15$ 1,000; Wolcott, $\$ 2$ per 100 , $\$ 18$ per 1,000 Lawson, $\$ 1.25$ per $100, \$ 12$ per 1,000 Gawson, $\$ 1.25$ per 100 , $\$ 12$ per 1,000 Prosperity, $\$ 1.50$ per 100 , $\$ 14$ per 1,000.

The W. T. Buckley Co., Springfield,
Carnation-Carnation cuttings Nelson Fisher, $\$ 6$ per 100 , $\$ 50$ per 1,$000 ;$ Mrs. M. A. Patten, $\$ 6$ per $100, \$ 50$ per 1,000 Crumingo, $\$ 6$ per $100, \$ 50$ per 1,000 Whitney, $\$ 5$ per 100, $\$ 40$ per 1,000; Enchantress, $\$ 3$ per $100, \$ 25$ per 1.000 : Harry Fenn, $\$ 2.50$ per $100, \$ 20$ per 1,000 Manley, $\$ 3$ per 100 , 25 per 1,000; Falr Maid, $\$ 2.50$ per $100, \$ 20 \mathrm{per} 1,000$
Queen, $\$ 2.50$ per $100, \$ 20$ per 1,000 . Well rooted from selected stock. Same varieties from pots 50 c more per 100 .

Backer \& Co., Billerica. Mass.
Carnation-Richmond Gem, ready now, the free biooming scarlet, $\$ 10$ per Lawson, $\$ 1.50$ per $100, \$ 12.50$ per 1.000 B. Market, $\$ 2.50$ per $100, \$ 20$ per 1,000 Queen Louise, $\$ 1.25$ per 100 . \$10 per per 1.000 Prosperity $\$ 1.50$ per 100 $\$ 12.50$ Der 1.000 . Keep in touch with "Melody," the daybreak sport from 2-in., $\$ 1.50$ per 100 to exchange for heliotrope, coleus, moon vine and alternantheras, rooted cuttings.

Carnation-White Larrsoul N. Fisher, Crusader, $\$ 6$ per 100, $\$ 50$ per 1,000.

## Mlch

Carnation-My Maryland, delivery January, 1906, \$2.50 per doz, \$12 per 100 , $\$ 100$ per 1,000 . Write us for other varieties. Weber \& Sons, Oakland, Ma.

Carnation - Rooted cuttings now ready. All best commercial varieties, also some of tried newer sorts. Firstclass stock:
Poehlmann
oehlmann Bros. Co., Morton Grove,
Carnation-Carnation Robert Crais (scarlet), 1906. Order now for March delivery. $\$ 12$ per 100; $\$ 100$ per 1,000
D. Thompson Carnation Co., Jollet,

Carnation-Carnation cuttings; well rooted, taken from selected stock, clean and healthy. Lawson, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000; Guardian Angel, $\$ 1$ per 100 . $\$ 9$ per 1,000; Enchantress, $\$ 3$ per $100, \$ 25$ per 1,000 ; Morning Glory, $\$ 1.50$ per $100, \$ 12.50$ per $1,000 \mathrm{Mrs}$. Higinbotham, $\$ 1.25$ per $100, \$ 10$ per 1,000; Estelle, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000 ; Chicago. $\$ 2$ per 100 , $\$ 15$ per 1,000; Adonis, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Flora Hill, $\$ 1$ per $100, \$ 9$ per 1,000 White Cloud, $\$ 1.25$ per $100, \$ 10$ per 1,$000 ;$ Her Majesty, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 ;
Harlowarden, $\$ 1.50$ per $100, \$ 12.50$ per Harlo
$1,000$.

Wietor Bros., 51 Wabash Ave., Chicago, Ill.
Carnation-Rooted carnation cuttinge, White Lawson, 5,000 ready to be sh1pped, $\$ 7$ per $100, \$ 60$ per 1,000 ; Lady
Bountiful, $\$ 7$ per 100 , $\$ 60$ per 1,000 Mrs. M. A. Patten, $\$ 6$ per 100 , $\$ 50$ per 1,000 . Nelson Fisher, $\$ 7$ per 100 . $\$ 60$ per 1,000 ; Dahelm, $\$ 6$ per 100,150 per
1,$000 ;$ Enchantress, $\$ 3.50$ per $100, \$ 30$ per 1,000 ; Boston Market, $\$ 2.50$ per 100 , $\$ 20$ per 1,000: The Queen, $\$ 2.50$ per 100 , $\$ 20$ per 1,000 ; White Cloud. $\$ 1.50$ per 100 , $\$ 12$ per 1,000 ; Mrs. T. W. Lawron, $\$ 2$ per 100 , $\$ 18$ per 1,000 ; Gen. Maceo, $\$ 2$ per $100, \$ 15$ per 1,$000 ;$ Mornlng Glory, $\$ 2$ per $\$ 3$ per $100, \$ 25$ per 1,000 ; Melbe $\$ 1.50$ per 100 per $\$ 100$ per $\$ 12$ per 1,$000 ;$
Loulse, $\$ 1.50$ puen Loulse, $\$ 1.50$ per 100 , $\$ 12$ per

Wood Bros., Fishkill. N. Y.
Carnation-Geo. A. Kuhl, Pekin, HI. Carnation-Carnalion, rooted cuttings $\$ 2.50 ; \$ 10$ per $100 ; \$ 75$ per 1,$000 ; 250$ for $\$ 18.75$.

Frank L. Kohr, R. F. D. 3, Lancaster, Pa.
Carnation-Red Lawson, at $\$ 10$ per $100 ; \$ 40$ per 500; \$75 per 1,000 .
W. J. Palmer \& Son, Lancaster, N. Y. Carnation-200,000 carnations, Queen Louise, Flora Hill, G. Wolcott, Chlcot, Mrs. T. Lawson, Enchantress, M. Joost, Success, Pres McKinley, G. H. Crane

Loomis Floral Co., Loomis, Cal.

## Carnation-Rooted cuttings ready

 now: Lady Bountiful, Phyllie, Chicago White Robert Craig, White Lawson. Send for prices. Albatross, $\$ 5$ per 100 , $\$ 40$ per 1,000 ; Boston Market, $\$ 3$ per 100 , $\$ 25$ per 1,000; Cardinal, $\$ 12$ per $100, \$ 100$per 1,$000 ;$ Crisis, new, $\$ 12$ per $100, \$ 100$ per 1,$000 ;$ Crisis, new, $\$ 12$ Fer $100, \$ 100$ per 1,000 ; Crusader
1,000 Crusader. $\$ 5$ per $100, \$ 40$ per 1,000 : Daheim, $\$ 5$ per 100 , $\$ 50$ per 1,000 ; Dorothy Whitney, $\$ 5$ per 100 , $\$ 40$ per 1,000; Eclipse, Dorner's, $\$ 12$ per 100 , $\$ 100$ per 1,000; Enchantress, $\$ 4$ per 100, $\$ 30$ per 1,000: Estelle, $\$ 3$ per $100, \$ 25$ per 1,$000 ;$
per
1,000 Flamingo, $\$ 50$ per 1,000; Flora Hill, $\$ 1.76$ per 100, $\$ 15$ per 1,000 Lord, $\$ 1.76$ per 100 , $\$ 16$ per 1,000 ; Woicott, $\$ 2.50$ per $100, \$ 20$ per
1,000 Harlowarden, $\$ 2.50$ per $100, \$ 20$ 1,000 Harlowarden, $\$ 2.50$ per
per 1,000 ; Indlanapolis, $\$ 5$ per $100, \$ 20$
$\$ 40$ per 1,000; Morning Glory, $\$ 2$ per 100, $\$ 18$ per 1,000; Lawson, $\$ 3$ per 100; $\$ 25$
per 1,000; Mrs. Joost, $\$ 1.75$ per 100, $\$ 15$ per 1,000; Mrs. Patten, \$5 per 100, \$50 per 1,000; Nelson Fisher, $\$ 5$ Der 100, $\$ 50$ per 1,000; Prosperity, fancy, $\$ 3$ per 100 , 100 , $\$ 15$ per 1,000 ; Red Lawson, $\$ 10$ per 100, $\$ 156$ per 1,000; RIchmond Gem, $\$ 10$ per 100, $\$ 75$ per 1,000; The Belle, $\$ 6$ per 100. $\$ 50$ per 1,000 Vesper $\$ 5$ per $\$ 12$ per $100, \$ 100$ per 1,000 ; White cloud, $\$ 12$ per 100 , $\$ 100$ per 1,000 ; White Cloud, Swan, $\$ 10$ per $100 ; \$ 80$ per 1,000 .

Vaughan's Seed Store, Chicago; Greenhouses, Weatern Springs, III.
Carnation-Strong, healthy, well rooted cuttings, Prosperity, Joost, Lawson iser 100.

Carnation-Victory to be disseminated, 1906 , $\$ 12$ per $100 ; \$ 100$ per 1,000 ; 250 at 1,000 rate. Place orders for rooted cuttings: White Lawson, N. Fisher and M. Patten, $\$ 6$ per 100; $\$ 60$ per 1,000; EnChantress, $\$ 3.50$ per $100 ; \$ 30$ per 1,000 ; Prosperity, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; The per 1,$000 ; \mathrm{H}$. Fenn and Goethe, $\$ 2$ per 100 , $\$ 20$ per 1,000 , Lawson, $\$ 2$ per $100, \$ 15$ per 1,000; G. Lord, Maceo, Cervera, $\$ 1.50$ per 100 , $\$ 15$ per 1,000 . Maney, $\$ 3$ per $100, \$ 25$ per 1,000 . Five per Alex. J. Guttman, 52 W. 29 th St., New York City.
Carnations-Sturdy little pot plants from best cuttings, per 100: B. Market, 2.50; Gov. Wolcott, $\$ 3$; Indianapolis, $\$ 4$; Mrs. Nelson, \$2.50; Mrs. Lawson, \$2.50; The Queen, \$3; G. H. Crane, Glacier, Lorna, Floriana, M. Joost, Morning Lawson, $\$ 7$, and Cardinal, $\$ 12$.
The Storrs \& Harrison Co., Painesville, 0 .
Carnation-Carnation Candace, $\$ 2$ per doz.; $\$ 12$ per 100
Indtanapolts Flower \& Plant Co., and
John Hartje, Indianapolis, Ind.
Carnation-Carnation cuttinge
W. H. Watson, Lapeer, Mich.

Chrysanthemam-Three new chrysanthemums, Majestic, Adelia and Madonna. rooted cuttings, $\$ 3$ per doz., $\$ 15$ per $100 ; 2$-in. pots $\$ 20$ per 100 .

John Breitmeyer's Sons,
Chrysanthemum - Cbrysanthemum novelties: Merstham Yellow, Whit Coombes, Emily Mileham, Valers Greenham, Mrs. H. A. Allen, and and
 each: $\$ 7.50$ per doz Send for $11 e t$.

Charles H. Totty, Madison, N. J.
Chrysanthemum - Chrysanthemums are our specialty. We have the best from ralsers here and abroad. Our cat alogue for 1905 describes them all.
Nathan Smith \& Son, Adrian, Mich.
Chrysanthemum-Fine plants, ready to Ship, from soll or sand. 100 Estelle, Kalb, Robinson, Polly 100; Estelle, Kalb, Robinson, Polly Rose, Wanamaker, na, Eaton, naffon, Snow Queen, Merry Christmas. eridge, $\$ 3$. Yellow, per 100: October Sunshine, Monrovia, Major Bonnaffon, Appleton, $Y$. Jones, Y. Mayfower, Apauty, Mournieq, Omesa, 2 ; Y. Eaton, Golden' Wedding, $\$ 2.50$ ' $W \mathrm{Wm}$. Thirkell, T. W. Pockett, H. S. Valis, Kimberly, $\$ 3$. Pink, per 100: Duckham, Cobbold, Balfour, 3 Glory of Pacific, Pink M. Iiger, Lavender Queen, Richardson, Murdoch, V. Morell, \$2. Red, per 100: Oakland, Paul Labbe, Black Hawk, $\$ 2.50$.

Wietor Bros., 51 Wabash Ave., Chtcago.
Chryeanthemum Rooted cuttings, Wm. Duckham, Ben Welle, F. A. CobGuehard, $\$ 4$; Mrs. Thirkell, $\$ 2$. No order fuled less than \$1.
W. A. Chalfant, Springfield, Mo.

Chryanthemum-Strong rooted cutearly chrysanthemums: Opah, Mme. Bergman, Willowbrook and October sun-
Ehine Cross, Grand Raplds, Mich
Chrysanthemum-Strong rooted cuttings and plants. Leading standard varietles. Cash or batisfactory references.

Baur Floral Co., Erie, Pa
Chrysanthemum - Rooted cuttings ready now. All best commercial va-First-class stock. Poehlmann Bro
Ill.
Chryeanthemnm-Strong, well rooted cuttings, Wm. Duckham, Dr. Enguehard, $\$ 2.60$ per 100 ; Ben Wells, F. S. Vallis, Mrs. E. Thlrkell, Mildred Ware, Mrs. T. W. Pockett, $\$ 1.50$ per 100. For $\$ 1$ we will mail 6 rooted cuttings of each of the above. They will reach you without further expense. From these early
cuttings stock can be increased six-fold cuttings stock can be increased six-fold by planting time. Send for comple
prist.

Chrysanthemum-Early Chrysanthemums, $\$ 2.50$ per 100 ; Ivory, Lady Fitz wygram, Mme. Bergman, Monrovia Omega, Opah, Polly Rose, Glory o Pacific, Wm. Simpson
he Storrs \& Harrison Co., Paines

## Chrysanthemum-Geo. A. Kuhl, 1 ,

Chrysanthemum - Rooted cuttings 2,000 G.S. Kalb, 200 Florence Teal, 200 Glory of Pacific, 400 Polly Rose, 100 Willowbrook, 200 Golden Trophy, 300 Mrs. H. Robinson, 1,000 Bride, 500 Appleton, 400 Minerva, 500 Childs, 300 Philadelphia, ${ }^{2,000}$ Niveus, 1,000 Mutual Friend, ${ }_{20}, 000$ Robert Halliday, 1,000 Ivory, 500 Cullingfordi, 500 Blackhawk, 2,000 Golden Wedding, 1,000 W. H. Llncoln,
Mme. Perrin, 300 T. Eaton, $3,000 \mathrm{Ma}$ M. BonMme. Perrin, 300 T . Eaton, $3,000 \mathrm{M}$. Bonabove can be filled at once; $\$ 1.50$ per $00 ; \$ 12.50$ per 1,000 .
W. F. Kasting, 383 Ellicott St., Buf-

Chrysanthemum - Chrysanthemum Appleton, Bonnaffon, Glory of Pacific, Ivory and others, rooted cuttings, $\$ 1$, $\$ 2$ per 100 .
L. J. Rowe, Titusville, Pa

Cineraria-Benary's dwarf, budded, ight for Easter, cut of 3 -in., ready for -in., $\$ 4$ per 100.
Shellroad Greenhouses, Grange, Balt1-
more, Md. more, Md.
Clematis-Clematis paniculata
W. \& T. Smith Co., Geneva, N. $\mathbf{Y}$.
Colous-Ten varieties Coleus, z-in. pots, March 1, $\$ 2$.

Jos. H. Cunningham, Delaware, O
Colens-Forty varleties, 700 per 100;
S. 1,000 .

Cyclamen-Splendens giganteum hybrids, in five true colors, seedlings, in cluding fringed variety, $\$ 4$ per $100 ; \$ 35$ per 1,000 .

Lehnig \& Winnefeld, Hackensack,
Cyclamen-Cyclamen giganteum, best strains, all colors, transplanted September, own stock, ready for $21 / 2$ and $3-\mathrm{in}$. $\$ 18$ per 1000, express paid.
Cyolamen-Cyclamen splendens giganun hybris 50 per 100

Paul Mader, E. Stroudeburg, Pa.
Cyclamen-Once transplanted, ready March 1. \$2 per 100, \$18 per 1,000. Dabla-Dahlia Sylvia, divided feld
roots, $\$ 2$ per doz. $\$ 15$ per 100 . roots, $\$ 2$ per doz., $\$ 15$ per 100.
Vaughan's Seed Store, Chicago and New York
Dahlia-Dahlia, Mre. Winters, $\$ 10$ per 100 W
W
W. W. Wilmore. Box 382, Denver, Col.

Dahlias-We wish to announce to the trade that we are successors to W. P peacock, dahlia speciaist. send for ou logue for 1905 , now ready.
L. K. Peacock, Inc., Atco. N. J.

Dahlia-Kaiserin Augusta Victoria, dbl., 4 to $5-\mathrm{in}$. diameter, stems 12 to $18-\mathrm{in}$. long, plants 3 to $31 / 2$ feet high stock from $21 / 2$-in. pots $\$ 3$ per doz; $\$ 20$ per 100. Delivery may
A. L. Miller, Jamaica Ave., Brooklyn,

Dahliag-Fine collection dahlias, \$5 per 100 .
H. H. Kern, Bonner Springs, Kan.

Daisies-Paris daisies, 2-in., 2c.
Byer Bros.. Chambersburg, Pa
Byer Bros.. Chambersburg, Pa.
Dedsteat $\$ 1$ per 100.
S. D. Brant, Clay Center, Kan

Dainios-Paris Daisy, glant, 2-in., 21/4 C Byer Bros., Chambersburg. Pa.
Dentzia-Easter stock. Deutzias for corcing, stronE 2-year-old, field grown plants, for $6-\mathrm{in}$. pots. Gractlis rosea Lemolinel, $\$ 1$ per doz., $\$ 8$ per 100 .

Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.
Dræcena-Dræcena Indivisa, per 100 $21 / 2$-in., $\$ 3 ; 3$-in., \$4.
The Storrs \& Harrison Co., Palnesville, 0 .

Easter Idlleg-Hinode Florist Co.,
Whitestone, L. I., N. Y.
Faster Stock-Easter lilies, hydrangeas, spiræa Gladstone, rhododendrons, genistas.

Euphorbia-Euphorbla Crown of Thorns, $21 / 2$-in., ${ }^{5}$ per 100

Iowa Seed Co., Des Moines, Ia
Ferns-Boston Fern, $21 /$-in., strong, well grown, $\$ 3$ ror 100

Iowa Seed Co., Des Moines, Ia
Fern-Nephroleple Scottil, 6-1n., pot grown, ready for 8 -in., $\$ 15$ per doz. ; $7-$ in., pot grown, $\$ 24$ per doz.; 8 -in., pot grown, $\$ 36$ per doz.

John Scott, Keap St. Greenhouses,
Brooklyn. N. Y. Ferne, Fto-Boston, Plermond and Scottil ferns.

Geo. A. Kuhl, Pekin. IIl.
Ferng, zto, Boston lerne, for 6, 6,70
and $8-1 \mathrm{n}$. pote at $\$ 26, \$ 50, \$ 75$ and $\$ 100$ and $8-1 \mathrm{in}$. pote at $\$ 26, \$ 50$, $\$ 76$ and $\$ 100$ L. H. F

Ferne-Fancy ferns, $\$ 1.50$ per 1,000 ; dagger ferns $\$ 1.25$ per 1,000; galax $7 \mathrm{5c}$ per 1,000; $\$ 6.50$ per case 10,000 ilaure
 lax ${ }^{\$ 5.50}$ per $50-1 \mathrm{lb}$ cess pine wreaths. laurel and
Crowl Fern Co., Millington, Mass.
Fern-Boston fern, $21 / 2-\mathrm{in}$., $\$ 3$; assorted ferns for dishes, $\$ 3$.

The Storrs \& Harrison Co., Paines-
Ferna-Ferns in 4, 5 and 6 -In. pots, strong, healthy, well rooted from bench at $15 \mathrm{c}, 20 \mathrm{c}$ and 30 c respectively.

John Brod, Niles Center, Ill.
Fernb-Assorted ferns, \$6 per 100, ready for fern dishes.
C. A. Knapp, Chestnut Hill, Phila-

Feverfew-Plants, $21 / 4-\mathrm{in}$. pots $\$ 2.60$ per 100; Rooted cuttings, $\$ 1$ per 100.
reverfew-Little Gem, $2 \frac{1}{4}-\mathrm{In}$. 60c per doz., $\$ 4$ per
Henry A. Dreer, Philadelphia. Pa.
Fucholas-Fuchsias, rooted cuttings, 5 best varieties, 90 c per 100 .

Byer Bros., Chambersburg, Pa.
Prachsiag-Fuchsias, rooted cuttings
$\$ 1$ per $100 ; 21 / 4-1$ n. pots, $\$ 2.50$ per 1,000 . Ludvig Mosbaek, Onarga, In. 111.
Gardeniag-Gardenia plants and jesmamine, our leading opecjalty. Natural 24-in., $\$ 1.60$ per doz.i $\$ 10$ per 100 . C. W. Beneon, Alvin, Tex.

G Geraniums- 10 varietles ceraniume, $21 / 2$ pots and $2-1 n$ pots, $\$ 3$.
Geraniume-Geranium Telegraph, bedding out, conservatory or window trong plants, $2 x<1 \mathrm{in}$. $\$ 15$ per 100 .
N. Y. Devoy \& Son, Poughreepaie,

Geraniumb-Jean Viaud, 8. A. Nutt, Castellane, John Doyle and Perkins. Single and double Gen. Grant. La Favorite, 2 -inch pots, $\$ 2.50$ per 100 .

Geo. M. Emmans, Newton, N. J.
Gersniums- 26,000 geraniums, by exmail, $\$ 1.60$ per 100 , rooted cuttings Ludvig Mosbaek. Onarga. Iil.
Flous-FYcus elastica, 6 and 7 -inch, $\$ 6$ to $\$ 9$ per dozen.

Philadelphia, Pa. 1012 Ontario St.,
Porgot-me-Mots-Ever blooming for-got-me-nots, rooted cuttings, $\$ 1.00$ per 100.

Byer Bros., Chambersburg, Pa. Frohala\&-Fuchsias, rooted cuttinge and plants. Ludvig Mosbaek, Onarga, Ill.
Geraninm-S. A. Nutt geraniums, healthy, $21 / 2-1 \mathrm{ln}$., $\$ 3.50$ per 100.
Geraniam Geraniull Center, 111. guth, $21 / 4-\mathrm{in}$., $\$ 4$ per 100 ; Lady Plymouth, sweet-scented, variegated, $21 / 4-i n$., $\$ 5$ per 100.

Iowa Seed Co., Des Moinee, Ia
Geranium-Rooted cuttings, $\$ 10$ and $\$ 12$ per 1,000

Alhert M. Herr, Lancaster, Pa. Gladiolus-Gladiolus bulbs and bulb-
lets, all
E. E. Sizes.
Etewart, River Junction, Mich

Hellotrope-Hellotrope, $2-1 \mathrm{n}$., $\$ 2.50$ per 100 .

Iowa Seed Co., Des Molnes, Ia.
Hellotrope-Rooted cuttings, \$1 per 100.

Byer Bros., Chambersburg, Pa
Heliotrope-Heliotrope, 75 c per 100 ,

$$
\begin{aligned}
& \text { ed cuttings. } \\
& \text { Byer Bros., Chambersburg. Pa }
\end{aligned}
$$

Hellotrope-Rooted cuttings, 12 varlties, $\$ 1$ per $100 ; \$ 8$ per 1,000 .
S. D. Brant, Clay Center, Kan.

Hemerocallis - Hemerocallis Fulva,
2 per 100 .
H. H. Kern, Bonner Springs, Kan. Hibiscus-Hibiscus Peachblow, $2 \%-1 n$., 3 per 100.
Iowa Seed Co., Des Moines, Ia.

Hollyhocks-Double fleld-grown, $\$ 3$ per 1 . ${ }^{100}$. Wilmore, Box 382, Denver, Col.

Hollyhocks - Dreer superb double hollyhocks, separate colors, $\$ 1.25$ per Hoz. $\$ 10$ per 100.
Henry A. Dreer, Philadelphia, Pa
Hyacinth - Larse assortment hyacinths in pans at $\$ 9$, and $\$ 12$ per doz., for Easter.
. Woboken, N. J. Hydrangea- 3,000 hydrangeas, 75 c to 5 each, for Easter.
H. C. Steinhoff. Woboken, N. J.
Hydrangea-Hydrangea otaksa
Godfrey Aschmann, 1012 Ontario St.,
Philadelphia. Philadelphia.
Hydrangea-Hydrangea paniculata grandifiora, $21 / 2$ to 3 feet, $\$ 1.50$ per 100 , $\$ 8$ per 1,000. Otaksa, Red branched, Thos. Hogg,
$\$ 35$ per
1,000 - yr. pot grown, $\$ 5$ per 100,

Vaughan's seed Store, Chicago and New York.
Iris-German Iris, $\$ 2$ per 100 .
H. H. Kern, Bonner Springs, Kan.

Ivy-German ivy, 2 -in., $\$ 2.60$ per 100. Geo. M. Emmane, Newton, N. J. Ivy-Hardy ivies, $21 / 2-\mathrm{in}$. pots, plants
to 10 -in. in height, $\$ 5$ per 100 . to 10 -in. in height, $\$ 5$ per 100.
C. A. Knapp, Chestnut Hill. A. Knapp, Chestnut Hill. Phila-
delphia.

Japanese Noveltion-Tiny plants in 2 and $3-1 \mathrm{n}$. decorated Japanese pots, $\$ 15$, shoots 50 c each.
Hinode Florist Co. Woodside, N. Y.,
and Whitestone, L. I., N. Y.
Lilies-Japan and Harrisii Hilies.
Godfrey Aschmann, 1012 Ontario St.,
Philadelphia. Philadelphia.
Lilium Longifiorum- 20.000 pots, 12 c per bloom, for Easter.
H. C. Steinhoff, W. Hoboken, N. J.

Lilinm Longiflorum-Bulbs, 9 to $10-1 n$.,
E. F. Winterson Co., 45-49 Wabash

Ave., Chicago.
Lobelia-Lobelia, dwarf blue, \$1 per ${ }^{100}$ Hill Top Greenhouses, Utica, N. Y. Marguerites-Two varieties, rooted cuttings, $\$ 1.50$ per 100 .

Ladg Mosbaek, Onarga, 1 Orchid-Orchid Cypripedirm insigne, A1, 5 -in. plants, $\$ 1$ cash.
Smith \& Young Co.. Indianapolis. Ind.
Orchide-Cattleya Mendelli, also Lella anceps and Oncidium tigrinum, etc. Write for special list No. 14. Orchid growers and lmporters.

Lager \& Hurrell, summit, N. J
Orchlde-Orchids, per 100; Cypripedium insigne, $\$ 8$; Cypripedium callosum, 20: Cypripedium Laurenceanum, $\$ 25$; Dendroblum formooum, giganteum, $\$ 9$
 $\$ 22$ per doz.

Rutherford. N. J., Exotic Nurseries,
Palma, sto, Growers and importer palms and ferns; decorative plants. Place, Chicago, Inl.
Palma, Eto-Palms, fern and decorative plante.
ohn Burton, Assignee for Robert Philg \& Son, Market and 49th Sts., adelphia, Pa.
Palms, Eto-Kentia Belmoreana and Kentis $\begin{gathered}\text { Forsteriana } \\ \text { Joseph Heacock, Wyncote, Pa. }\end{gathered}$

Palms, Etc.-Latania Bor., 2-1n. pot, seed leaves, $\$ 3$ per 100 ; Latania Bor., 3 in. pot, 15-18-1n., 2-3 chr. lvs., $\$ 12$ per 100; Latania Bor., $6-1 \mathrm{n}$. pot, 18-20-in., 3-4 chr. lvs., $\$ 15$ per 100 ; Latania Bor., 5 -in. pot, $20-24-1 \mathrm{n}$., 4 chr. Ivs., $\$ 20$ per 100 . Kentia Bel., ${ }^{2} 1 / 2-1 \mathrm{n}$. pot, $6-8-1 \mathrm{n}$., 2 leavea, $\$ 10$ per 100 ; Kentia Bel., 3-1n. pot, $8-10$ in., $3-4$ leaves, $\$ 12.60$ per 100 ; Kentia Bel., $4-1 \mathrm{n}$. pot, $12-15-1 \mathrm{n}$., $4-6$ leaves, $\$ 16$ per 100 .

Sherman Nursery Co., Charles Clty, Ia.
Palma, Etc.-Palms, ferns and decorative plants.
R. Dreyer, Woodelde, I. I., N. Y.

Palms-Small palms from $21 / 2-1 \mathrm{in}$. pots, per 100 : Kentia Belmoreana, $\$ 6 ;$ Areca Lutescens. \$4; Latania Borbontca, $\$ 3$; Cocos Wedelliana, $\$ \mathrm{~S}$.

The Storrs \& Harrison Co., Paines-
ville. 0 .
Pandanus Veitchil-To make room, our entire stock, $21 / 2$ to 3 -in. and $4-\mathrm{in}$. pots at the uniform price of $\$ 20$ per 100 , in assortment. Express paid.
A. E. Wohlert, Bala, Pa.

Pansies- 100,000 now in bloom, extra large field grown plants; they are the kind that sell, $\$ 2$ per $100, \$ 20$ per $1,000$.
A. A. Sawyer, 23 S . Harlem Ave., Oak A. A. Sawyer, 23 S . Harlem Ave., Oak

Pansies-The Jennings strain, coldframe plants, in bud and bloom, mixed colors ready April $1 . \quad \$ 1.50$ per 100. Cash with order.
E. B. Jennings, lock box 254, Southport, Conn.
Paneles-200,000 fine large plants of the famous large flowering Bugnot's, Cassier's, Odier and Trimardeau, 50 c per coming in bud, $\$ 1$ per 100 .

Hill Top Greenhouses, is Gray Ave.,
Pansien-Pansy plants, large flowering 60 c per $100, \$ 2.50$ per 1,000 . Per 100 Asp. plumosus nanus, small planta, to close, \$1.76.

Jaw. H. Cunningham, Delaware, $O$.

## Panmies-Rooted cuttings.

Ludvig Mosbaek, Onarga, Ill.
Pandem-100,000 pansy plants, $\$ 10$ per 1,000. Unrooted cuttings, half price of rooted.

Loomis Carnation Ca, Lock Box 116,
Loomis. Cal.
Pardanthus-Pardanthus, etc., $\$ 2$ per 100.
H.
H. H. Kern, Bonner Springs, Kan.

Pelargoninms-Rooted cuttings, 10 varieties, $\$ 2.26$ per 100.
B. D. Brant, Clay Center, Kan.

Peonlea-Cholce white; atrong divided plants, 3 to 5 eyes, in quantity. Festiva Maxima 35c: Q. Victoria 12c; Golden Harvest 20 c . Order at once, spring delivery.

Peterson Nursery, 503 W . Peterson Ave., Chicazo.
Peonlez-Peonies and hardy planta
W. W. Wilmore, Box 382, Denver, Colo

Petuntay-Dbl. Petunlas, rooted cuttings, 10 finest, $\$ 1.00$ per 100 .

Byer Bros., Chambersburg, Pa.
Petruntan- Doubie fringed
Six diatinct novelties, labeled,
$\$ 1.26$ der Six diatinct novelties, labeled, $\$ 1.26$ per
100; $\$ 10$ per 1,000 .
The $\mathbf{W}$. Tuckley Co. Springteld,
The W. T. Buckle' Co., Bpringleld, Ill
Petunia-Petunias, double, assorted,
-in., $\$ 3$ per 100.
Iowa Seed Co., Des Moines, Ia.
Petunias- 10 best sorts, $\$ 1.00$.
Byer Floral Co., Shippensburg. Pa.
Petunie- 20 varieties, $\$ 1.25$ par 100; $\$ 10$ per 1,000
8. D. Brant, Clay Center, Kan.

Pinks-Hardy pinks, six best variety, $4-\mathrm{in}$ pots, 75 c per doz, $\$ 6$ per 100.
Henry A. Dreer, Philadelphla, Pa.
Henry A. Dreer, Philadelphla, Pa
obconica grandiffora in bud and bloom.
from 4-in. pots, $\$ 7$ per 100.
Paul Mader, E. Stroudsburg, Pa
Roges-American Beauty, La France and Bride.

Phila Aschmann, 1012 Ontario St.
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Roses-Rose plants, write for prices on hybrid perpetuals, hybrid teas, teas, climbers, ramblers, etc.

Bioses-Roses of all kinde.
Eosss-Roses, rooted cuttings: Chatenay, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Uncle John, $\$ 2.50$ per 100, $\$ 20$ per 1,000; Bridesmald, $\$ 1.50$ per $100, \$ 12.50$ per 1,$000 ;$
Bride, $\$ 1.50$ per $100, \$ 12.60$ per 1,$000 ;$ Bride, $\$ 1.50$ per $100, \$ 12.60$ per 1,000 ; Ivory, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 ; Perle, $\$ 1.50$ per $100, \$ 12.50$ per 1.000 . Roses, $21 / 2$-in. pot plants: Richmond, $\$ 30$ per 100, \$250 per 1,000; Rosalind Orr English, \$25 per $100, \$ 200$ per 1,000; Chatenay, $\$ 4$ per $100, \$ 30$ per 1,$000 ;$ Sunrise, $\$ 4$ per $100, \$ 30$ per 1,000: Perle von Godesberg, $\$ 5$ per $100, \$ 40$ per 1,000; Liberty, $\$ 6$ per 100 , $\$ 45$ per 1,000 La Detroit, $\$ 6$ per $100, \$ 50$ per 1,000 ; Uncle John, $\$ 4$ per 100 , $\$ 35$ per 1,000; Kaleerin, $\$ 4$ per 100, $\$ 30$ per 1,000; Bride日maid, $\$ 3$ per 100, \$25 per 1,000; Bride, $\$ 3$ per $100, \$ 26$ per 1,000; I vory, $\$ 3$ per $100, \$ 26$ per 1,000 ; Perle, $\$ 3$ per $100, \$ 26$ per 1,000 .
American Beauty bench plants, $\$ 6$ per American Beauty b
Peter Reinberg, $\overline{\text { b }}$ Wabash Ave., Chicago.
Rose Baby Rambler, ever blooming, warf crimson, $3-i n$. pot plants (grafted) ready April 15, $\$ 4.50$ per doz; $\$ 35$ per 100. $21 / 2$ in. pot plants, April delivery, per doz., $\$ 3 ;$ per $100, \$ 20$.

Vaughan's Seed Store, Chicago and
New York
Roses-Young stock of roses ready to ship, from 2 -in. pots: Bride $\$ 3$ per 100 , $\$ 25$ per 1,000; Bridesmaid $\$ 3$ per 100 ; $\$ 25$ per 1,000; Meteor $\$ 4$ per 100 , $\$ 30$ per 1,000; Golden Gate $\$ 3$ per 100, $\$ 25$ per 1,000; Chatenay $\$ 3$ per $100, \$ 25$ per 1,000 ; Kaiserin, $\$ 4$ per $1.00, \$ 35$ per 1,000 .

Wietor Erothers, 51 Wabash Ave. Chicago.
Roses- 4,000 crimson Ramblers. $\$ 1$ to $\$ 25$ each; 3,000 rose plants, $\$ 6, \$ 9, \$ 12$ per doz. for Easter.
H. C. Steinhoff, Yr. Hoboken, N. J.

Roses - Rooted cuttings, Bridesmaid, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 Bride, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 Golden Gate, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000

George Reinberg, 51 Wabash Ave., Chleago.
Roses- 60.000 grafted roses for forc ing. Delivery April, May, June. Liberty, rose pots, $\$ 2$ per $100 ; 31 / 2-\mathrm{in}$. pots $\$ 18$ per 100; Brides, Bridesmaids, Golden Gate, Kalserin rose pots, $\$ 10$ per 100 $31 / 2$-in. pots, $\$ 15$ per 100 .
J. L. Dillon, Bloomsburg, Pa

Roses-Koses, $214-1 n$ pots, $\$ 2.50$ per 100; Universal Favorite, Evergreen Gem Bessie Brown, Manda's Triumph, So Orange Perfection, White Memorial, Yel low Rambler, Gardenia, Helen Gould Mme. de Watteville, Francisca Krue ger, Mary Washington, Champion of the World, Emile Gonin, Frances E. Willard Bridesmaid, Bride, Halloween. Strong semi-dormant plants, splendid for spring sales or for planting.

Iowa Seed Co., Des Moines, Ia.
Roses-Spring sales, Crimson Ramb ler, 2-year-old, $\$ 2$ per doz., $\$ 15$ per 100 3-year-old, $\$ 2.50$ per doz., $\$ 18$ per 100 Dorothy Perkins, 2 -year-old, $\$ 2.50$ per doz., \$20 per 100; Gruss an Teplitz 2 -year-old, $\$ 2$ per doz. $\$ 15$ per 100 Maman Cochet, 2 -year-old, $\$ 2$ per doz $\$ 16$ per 100 ; Hermosa, 2-year-old, $\$ 2.26$ per doz., $\$ 15$ per 100; Clothilde Soupert $\$ 1.50$ per draz., $\$ 10$ per $100 ;$ A. Beauty $\$ 2$ per doz., $\$ 15$ per $100 ; \mathrm{K}$ Aug. Vic torla, $\$ 2.50$ per doz., $\$ 20$ per $100 ; \mathrm{P}$ Neyron, $\$ 2.50$ per doz., $\$ 20$ per 100 La France, $\$ 2$ per doz., $\$ 15$ per 100 , and nany other varleties.
Vaushan's Seed Store, Chicago and
Roses-Roses, 21/4-in., pots, strong glants. Maid, Bride, White and Pink Cochet, \$2.50 per $100, \$ 20$ per 1,000 American Beauties, $21 / 4-$ in. pots, $\$ 5$ per per 100, ner per $1,000$.

Ky. Relmers, Station $A$, Loulsville,
Roses-Roses, Ramblers and hybrids. Roses-Hardy roses.
Ellwanger \& Barty, Rochester, N. Y. Roses-liaşter stock. Baby Rambler year-old, field grown, for 4 -in. pots, $\$ 5$ year-old, field frown, for $4-1 \mathrm{n}$. pots, $\$ 5$
per doz., $\$ 35$ prr 100.
Ifenry A. Ireer, Inc., 714 Chestnut
St., Philadelphia.

St., Philadelphfa
koseg-Now is the time to place your orders and insure getting good stock for planting.

John N. May, Summit, N. J. Roses-The fine new pink rose, La
Detroit, $21 / 2-i n$ pots, $\$ 8$ per $100 ; \$ 75$ per Detroit, $21 / 2-$ in. pots, $\$ 8$ per 100; $\$ 75$ per $\$ 8$ per 100; $\$ 75$ per 1,000 . John Breitmeyer's Son

Rose-Rose Clothilde Soupert in bud or bloom, 4 -in. $\$ 12$ per 100 .

Hill Top Greenhouses, 16 Gray Ave. Utica, N. Y.
Rndbeckia-Golden Glow, 4-in pots, 75 c per doz., $\$ 6$ per 100
Henry A. Dreer, Philadelphia, Pa
Salvia-Salvia splendens $\$ 1$ per 100
Hill Top Greenhouses. Utica, N. Y.
Salvia-Salvia, Mrs. C. N. Page, a new scarlet salvia of great merit. Besides possessing more than all the good qualpossessing more than all the of other good salvias it can be had in bloom for Thanksgiving and Christmas. Write for descriptive catalozue. 2 -in pots, $\$ 1$ per doz.; $\$ 6$ per $100 ; 4-1 \mathrm{n}$. pots, $\$ 2$ per doz.; $\$ 12.50$ pe 100 .

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Salvias-Salvia splendens and Jean Revenal rooted cuttinge, 75 c per $100, \$ 6$ per 1,000.

Frank A. Pierson, Cromwell, Conn.
Salvias-Rooted cuttings and plants.
Ludvig Mosbaek, Onarga, Ill.
Salvias-6 varieties, \$1 per 100, $\$ 8$ per \$1,000.
S. D. Brant, Clay Center, Kan

Salvias-Bonflre and St. Louis, $\$ 1$ per 00, \$8 per 1,000
C. Humfeld, Clay Center, Kan

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Spiræa-Spiraa compacta floribunda, Japonica and Gladstone. 1012 Ontario St. Pinladelphia.
Stocks-Double white, for Easter, \$1 per 100 ; $\$ 8$ per 1,000
Hill Top Greenhouses, Utica, N. Y.
Swainsona-Swainsona Alba, rooted cuttings, 75 c per 100.

Byer Bros., Chambersburg, Pa.
Tradescantia-Tradescantia rooted Tradescantia-Tra 2 c per 100

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Verbenas-Mammoth verbenas, 60 c per 100; $\$ 5$ per 1,000

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Verbenas-500,000 Verbenas, 60 varie ties, perfectly healthy. Prize rooted cut
 J. L. Dillon, Bloomsburg, Pa.

Verbenas-Rooted cuttings, 30 varle ties, 60 c per 100
S. D. Brant, Clay Center, Kan.

Verbenas-Rooted cuttings, 60c per 100.

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Vinca-Vinca variegata, $3-i n$ pots, $\$ 5$ per 100.

Frank A. Pierson, Cromwell, Conn.
Vinca variegara-Vinca variegata 4 in. pots, $\$ 1.50$ per doz., $\$ 10$ per 100 $\$ 90$ per $1,000,10$ per cent ash reers during month of March

Goshen, Ind
Vialet-Violet Frincess of Wales, $\$ 2.50$ per 100. Rooted cuttings, $\$ 1.25$ per 100 Nathan Smith $\&$ Son, Adrian, Mich.
Violots-Rooted cuttings.
Eli Cross, Grand Rapids, Mich.
Vaughan \& Sperry, 58-60 Wabask aughan
Ave., Chicago.

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Iowa Seed Co., Des Moines, Ia.
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Jacs. Smits. Ltd.. Naarden, Holland.
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Wursery Stook-Trees, shrube, vines,
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Rhododendron-Best named hybrids, $20-\mathrm{in}$. high, $\$ 9$ per doz.; $24-\mathrm{in}$., $\$ 12$ per doz.; 30-32-in., \$24 per doz.

The Storrs \& Harrison Co., Painesville, 0 .
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H. H. Kern, Bonner Springs, Kan

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H. H. Kern, Bonner Springs, Kan.

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H. C. Steinhoff, W. Hoboken, N. J.

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Moore \& Simon, 207 Market St., Philadelphia, Pa.
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H. Lock, 41 Manchester Ave.
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Aster-Aster seed, best German grown, Queen of the Market, $1 / 4 \mathrm{oz} .15 \mathrm{c}$, oz. 50c; Victorla $1 / 4$ oz. 50 c, oz. $\$ 1.75$; Giant Victoria $1 / 4$ oz. 60 c, oz. $\$ 2$; Pæony f. Perfection $1 / 4$ oz. 45 c , oz. $\$ 1.50$; Semples branching home grown $1 / 4$ oz. 20 c oz. 60c. Separate colors or mixed.
W. C. Beckert, Allegheny, Pa.

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 oz., 20c; ${ }^{\text {Oqughan's }}$ oz., 50 c ; ${ }^{1}$ lb., $\$ 6.50$ trade pkt., $10 \mathrm{c} ; 1 / 4$ oz., $20 \mathrm{c} ; \quad 0 \mathrm{oz}$. $\quad 65 \mathrm{c}$
 trade pkt., 10 c ; $1 / 4$ oz. 20 c ; oz., 55 c . New everblooming aster ldeal, trade pkt, 15 c $1 / 4$ oz., $30 \mathrm{c} ; 1$ oz., $\$ 1$.

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aughan's Seed Store, Chlcago and
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Bulbs-Spring or fall dellvery for florist's use. We import to order, bulbs nd plants.
August Rolker's Sons, 31 Barclay St..
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Balbs-Double narelssus Von Sion, single narcissus, Golden Spur, Spiræa Su perba, Pæonla C. festlva maxima.

Warnaar \& Co.. Sassenhelm, Holland.
Balbs-Holland bulbs and plants, wholesale growers hyacinths, tullpe, pæonias, etc. Special prices French bulbs, Roman hyacinths, Paper White, ${ }^{\text {etc }}$ Van $Z$ Zanten Bros., Hillezom, Holland; G. Hylkema, care Maltus \& Ware, 136 Water St., New York.
Bulbs-Bermuda Harrisil bulbs. July and August delivery

Chas. A. V. Frith, Hamilton, Bermuda
Cabbage-Seed Early All Head, 20c per oz.: 60c per $1 / 4$ lb.
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$\$ 11.50$ per 1,000 , Ceres, 20 c
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Tiling-Floor tile. I have about 35,000 feet second hand floor tile in good
condition for sale at a bargain. Small condition for sale at a bargain. Small quantities if needed.

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Ventilators-Evans' improved Challenge ventilating apparatus.

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Ventilators-The Standard ventilating machinery; original machine with selfoiling cups; most powerful, least complicated, very compact.
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## BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library

Send prices queted and we send the books.
Hedoes, Windbreaks, Etc. (Powell) -A treatise on the planting, growth and management of herlge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

Asparagus (Hexamer).-A practical treatise on the planting, cultivation, barvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kinds of asparagus, but there is also some reference to the ornamental species. 50 cents.

The Goldfisil (Mulertt).-A num ber of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care $f$ the parlor aquarium, in this volume of 160 pages, hanilsomely illustrated. $\$ 2.00$.

Greeniouse Construction (Taft). -It tells the whole stery about how to build and heat a grecnhouse, be it large or small, and that too in a plain, easily understood, practical way. It has 118 illustrations. $\$ 1.50$.

Handy Manual (J. W. Johnson).A new work, fully illustrated with plans, etc., on greenhouse heating and ventilating, by a practical steam and hot water heating engineer of long experience. Replete with valuable information. 125 pages. \$1.00.
Landscape Gardenino (Waugh).This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view ', informing the reader rather than decorating the book. 50 cents.

Mushrooms: How to Grow Them (Falconer).-The only American book on the subject, 29 illustrations. Written by a practical mushroom grower who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $\$ 1.50$.
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For Horticulturists and Orchid Growers.

## Edited at Paris by

## Lucien Chaure and Otto Ballif.

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The Nurseries, Exmouth, Devon, October 17, 1803. L hsve given your Pstent Sulphur Vsparisers a result. Genersily, before housing my Show Chrysan themum Plants each one is laid on jits side and well syringed with some kind of Fungicide, with the idea of destroying say Mildew or other disease. This is a tiresome snd expensive item where ssversl thoussinds of plants bave to be so treated. With your Sulphur Vsporiser this is obviated, for after thoroughiy vapor ising the house every spot or symptom of Mildew has disappeared. One variety was badly infected, snd siter the treatment mentioned I have been intereated to note the gradual dissppearsnce of the Mildew. The expsoding blooms were in no wsy injured by the sulphur, and I consider the Vaporisers have already paid their cost.

Chryesnthemum Specislis
The Gsrdeners' Chronicle, page 32, January 14, 1905, stster, Vine Mildsw: W. A correspondent who at our request msde trisi of Campheli's Patent Vapor1ser wss thoroughly astisfied with the result, and recommends its use in gass houses in which grape and similar plents are prown. The princlple consista in hesting the sulphur in s. shaped outlet the tube of whioh is looseiy olosed by s pyriform hollow gless bsil which riges or talls according to the pressure of the hot sulphur vapor inside. thus sllowing of the passege of the sulphur vspor, but at the ssme time preventiog the entrance of hotair into cylinders whers it could set fire to the hested sulphur.
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# 'The American Florist 



America is "the Praw af the Messel; there may be mare camfart Amidships, but we are the first to tauch Unkmawn Seas,"

## THEE AMERIEAN ELIORIST

## Twentieti Year

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.
Offioers-J. C. Vatoran, Chicago, president; J. R. Freeman, Washington, D. C., vice-president; Wm. J. STEWART, 11 Hamilton Place, Roor 11, Boston. Mass., secretary; M. B. BEatri, Oil City. Pa., treasurer. Twenty-first andual meeting at Washington, D. C., August, 1905.
the american carnation society.
Annual convention at Boston, 1906. Albert M. Herr, Lancaster, Pa., secretary.

## AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Roston, Mass. March, 1906. Wm. J. Stewart, 11 Hamilton Place, Boston, Mass., secretary.

## AMERICAN PEONY SOCIETY

Exhibition at chicago abont June 15. Artaur H. Fewres, Newton Hightabds, Mass., secretary exhibition manager.


## AMERICAN ROSE SOCIETY.

Sixth Annual Meeting, Boston, Mass., March 23-26.

## Boston Gets Next Convention.

The annual mecting of the American Rose Society was held in the directors' room of the Massachusetts Horticultural Society, Boston, Friday, Mareh 34, 1905. The meeting was opened a few minutes after eleven oclock by President Alexander Montgomery, there being about forty present. Although in comparison with the large number of rose growers and enthusiasts in the country, the attendance seemed small, yet the few who bad journeyed to the east to attend the eonvention fully compensated in enthusiasm for the lack in numbers. There was not one uninter esting minute even to the onlooker during the two hours' deliberation enjoyed by the society. President Montgomery's opening address was very interesting and will be found in this issue in full.

The reports of Secretary $\mathrm{Wm}_{\mathrm{m}}$. J. Stewart and Treasurer John N. May were then read and adopted.

On motion of Robert Simpson, of Clifton, N. J., a vote of thanks was passed to the several donors of the special premiums offered by the society at its exhibition.

The essayist of the meeting, M. II, Walsh, of Wooils IIole, Mass., then read an intensely interesting paper on "'ILardy Garilen Roses." On motion of IIfnry Siehrecht. of New Rochelle, N. Y., a rote of thanks was passed to the essayist anul the presilent was anthorizell to appoint a committee on publication to issue a bulletin to the members that would disseminate knowledge and educate them in the cultivation of roses.

A discussion followed the reading of Mr. Walsh's paper aml James Wheeler, of Brookline, Mass., alvised Amerieans to go slow in regard to roses for there wore but few varieties adapted to our climate, and thought that we should exert onrselves in hybridization and originate varietics that would flourish here. The essayist answered that there were many varicties that would produce satisfactory results if properly
planted and eared for. Robert Simpson remarked that in his opinion education in rose culture was what was desired and the public should be warned not to purchase the cheap Dutch stock rose bushes, that were imported each year in such large quantities, as they were not at all adapted to our soil and climate and generally resulted in failures. The people should be informed what to buy and where to procure them.
A. Fahrenwold, of Hillside, Pa., said that the soeiety needed to show a more aggressive spirit and do a little more hustling. He compared the work of the rose socicty with that of the American Carnation Society which he said was composed of hustlers, who pushed their product all the time, making exhibits continually whether it was their show or some other society's exhibition. He thought that all the members should try and get everybody interestel.
Frank L. Moore, of Chatham, N. J., asked if a list of six best varieties of outdoor roses could be named that were perfectly hardy. The essayist of the meeting responded to this question saying that he would name six varicties that were harly in New Englanl, but that much depended on the procuring of good stock and proper plating, for no rose would grow and live in a bank of sancl. With proper soil aml Iocation and gooll care tha following list woull be foumd perfeetly hardy:

Raroness Rothschild. Baron de Bonstetten Clio.
Prince Camille de Captain Bronner.
Hayward Roban.
Caroline testont. Mybrin Maman Cochet. Mme. A. Chatenay. Caprain Christy
Kaiserin Augusta La Frauce. $\underset{\substack{\text { Kaiserin } \\ \text { Victoria. }}}{\text { Augusta La Frauce }}$

## Sweetheart. lehutante.

 Farquhar. $\quad \begin{aligned} & \text { Philadplphia Ram- } \\ & \text { Lader. }\end{aligned} \quad$ Gay.bler. ben the cause of more disappointment than arything cIsc. They were grown on a wet swampland and imported in the fall and planted in a shallow soil,
often too sauly, and if they survived the winter, languished through the spring and died luring the summer months.

Henry Siehrecht thought that the society should emucavor to stop the importation of the cheal stock, that cfforts should be made to raise the duty and produre our own bmbled rose in this country.
W. P. Craig said that he would like to substitute some rarieties that he had found satisfactory with him, for the list presented by the essayist and advised the following six: John Hopper, Mrs. John Laing, Mme. Gabriel Luizet, Gen. dacqueminot, Paul Neyron and Ulrich Brunner, and wonld add Dorothy Perkins to the list of elimbers.

Benjamin Hammond of Fishkill, N. Y., approved of the publication of the bulletin as proposed during the meeting and offered to pay for the printing of 10 ,000 snch bulletins when issued, and on motion of W. H. Elliott the offer was accepted and the socicty passed a vote of thanks for the same.

Boston was then selcetel as the place of meeting for 1906, and the see. rotary was instructed that the sehedule uf prizes be issued not later than Norember 1, 1905.

The nominating committee consisting of IEnry Sibhrecht an! A. II. Langfinh repurtait the following list of offieres for the coming year: President, Alexandel Montgomery, Natiek, Mass.; vice-presilent, Rubert Simpson, Clifton, N. I.; seerotary, Wm. J. Stewart, Boston, Mass.: treasurer, llarry O. May, Summit, N. J. These gentlemen were unanimously clected to the several positions.
M. 11. Waish and A. Fabrenwold wore elected members of the executive committee for three years and W. P. Craig, North Easton, Mass., was elocted a merabre of the committer for two years to fill the mexpired term of Robert simpon who was elevated to the vicepresidency. The meting then arjourned.

## President Montgomery's Address,

We have met again to take note of our progress and do homage to our dueen, and altbough we have hardly made the progress that the American liose society is entitled to considering the vast ammont of caprital invested in the busincss and the number of able men who make the cultivation of the rose their life work, yet I think that we are beginning to see light aheat. There have heen sugemisd various reasons to aceount for the slow progress which this society has mathe. It has been pharged against as that wo aro not natiomal in that we have failed to rever the prinejpal eities of the country, hot, with patiome on the part of mar eritios and with the co mperation of those to whom this society has a right to lork for for its support, wo will yet visit thom all. The few pioneers who have dome son math to morse this socioty along are witithed to mor gratitude for wark than", :lat when the ime romes for the licuse sumpty to start on its burearinalions I think I da not ror in casping that it will have the hearty
 if thas firf. Jhistanere will not diminish their intaresi in the flower of flowers mor the sureirty which stands for its advanefinent.

The rose has not lacked for enthusiasts any more than the carnation, but it has missed that incentive to bring rose men together that the carnation men liave had, namely, something new. The shows have had but little variety; practically the same few varicties were fortheoming year after year, a little larger or smaller as we happened to varry them in our minds, or whether they happened to lie ours or the other fellow's flowers, but evidenee is not wanting that this will all be changed in the near future and we expect to again hear the ery go forth as it did in ' 61 ; but this time, thank Gorl, it is not the soldier but the enthusiastic rosarian who raises the cry, "On to Richmond." The American rose grower has at last awakened to the fact that if a race of roses alapted to his needs is to he fortheoming, it must be done by himself. ITe has paid in the past thou samds of dollars for European varie-


Alexander Montgomery.
(President American Rose Socirty.)
ties that were seldom suited to his requirements, notwithstanding that they might be all that the raiser claimed for them when growing under their own pombitions.

This applies in large measure to roses fon ontiloner cultivation as well as to those grown under glass, and I am inclimed to think that the former is the lirger field for the hybridist, and with a rasonable amount of encouragement, I proliet that the near future will see commendable progress mate in a truly American type of roses adapted to the rlimatic conditions fomm herc. It shombl be the duty of this society to "nochurage in every way possible the rose hylridist, as in large measure the finture of the socicty will depend on him for the stimulating interest created by having something new. The comnimuial man oumht to be alive to the fact that if the rose is to hold the place "i' honor aml profit he must have something to kepe the buying pillblie from beroming tired of seming only the few fimiliar old rariaties, however meritorions they may lie.

A procereding that I think would be of esperial henofit to the introducer amb buyer of new roses would be for
this society to appoint local committees at the large centers, after the method of the Chrysanthemum Society, to whom flowers could be sent to be judged according to the scale of the American Rose Society. For convenience this conld be done at the various fall shows and being judged by the official scale would be of value to all. The same eommittees could visit the new claimants in their home quarters and report on their winter qualities. These judges could be appointed by the executive committee and the chairman of these committees, or as many of them as were required could be judges at the aunual show.

Now a word about the show itsclf. The schedule needs to be practically rewritten and adapted to the particular section of the country to which the show is to go the following year. A preliminary schedule should be sent out in the fall, otherwise the growers of pot roses are largely eliminated, and it will be in evidence at the Boston show that this can be made both an interesting and educational section of our shows. If possible a meeting of the exceutive committee should be held during the convention of the Society of American Florists, otherwise it will be almost impossible to get a majority of them together later in the season, as they are and should be men from wide apirt sections of the country and find it diflicult to leave their business later on.

In conclusion, I would ask one and all to stay and take part in this meeting and if they can offer anything for the good of this society it is their duty to do so. To the young men I would extend a pressing invitation to take part in these proccedings and if with their young and progressive ideas they can show us wherein a part of the machinery of this society has worn out or hecome obsolete, I promise them that to the best of my ability I wiil assict the to have it replaced by more morlern works. Progress should be the hailing sign of this society, for the only place the American rosarian can afford to sit is in the very prow of the vessel even at the risk of an occasional wave splashing over him.

## The Secretary's Report

I have the honor to make the follow ing report as secretary since the resig nation of Leonard Barron last fall:

The number of members on the list when it came to my lands was 191, of whom thirty-six were life members, and 155 anunal members. The majority of the latter had paid no assessments for two years or morc. Bills were sent to all and the returns lave been quite satisfactory, everything eomsidered, as the treasurer's report will show. In the meantime five new life members and sixteen annual have been added.

Silver medals won two vears ago, at the Ammandale rose show by Crunmold Gardens, and at Lenox, Mass., by Giralld Foster, have been struck off and sent to their owners. 'Through an error in the schednle. a silver cup was awarded at Joughkerpsie the same livar, instead of a medil, to F. Heere mans of Lenox. F. R. Newbold, who was president of the American Rose Socicty at that time, has generously provided the cup and it has been forwarded, suitably engraved, to Mr. ILeeremans.


PART OF M. H. WALSH'S DISPLAY AT THE AMERICAN ROSE SOCIETY'S EXHBIITION, BOSTON, MASS., MARCH $23-86$.

The sentiment all over the country towards this society is extremely cordial so far as I have been able to learn, and the outlook is most encouraging for the organization and the objects for which it stands.

Wa. J. Stewart, Sec 'y.

## The Treasurer's Report.

In the alssence of Treasurer Jonn N. May, the report of the treasurer was read by Secretary Stewart of which the following is a summary:
heceipts.

| March hand | 13, | 1903, | balance | $\stackrel{\text { on }}{.} \$$ | 971.12 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Annual | Dues |  |  |  | 442.20 |
| Life Membership |  |  |  |  | 250.00 |
| Premium | , R. | Soott | S |  | 50.00 |
| Premium, M. W. Walsh |  |  |  |  | 25.109 |
| Premium rance |  |  |  |  | 100.00 |
| Interest | on I | ile Me | . Fund. |  | 96.56 |

$\$ 1.934 .58$

Premtums
PAYMENTS.
ecretary's salary
Postage, cash and stationery Medals and engraving..

Balance, Mar. 23,1905

## Report of the Judges

The awarls for the exhibits of the American Rose suciety are as follows: TEAS AND UYBRID TEAS.
Twenty five put blooms (open to all) : American Beauty, W. H. Elliott, second.

Bride, first, W. IL. Elliott.
Bridesmaid, first, W. H. Elliott; second, Montrose Greenhouses.

Mme. lloste, first, John Breitmeyer's Sons.
Sourwir de President Carnot, first, R. 'T, M"forum; steond, J. Mel'arland. Ciolden liate, first, Floral Exchange; second, Robert Simpison.

Bon Silume, first, John Breitmeyer "s Sons.

Mrs. Oliver Ames, first, W. II. Elliott. Ivory, tirst, lloral Exchange, Edgely, Pa.

Safrano, tirst, W. H. Elliott.
Liberty, first. W. H. Elliott; seconl, Waban Fose Conservatories.

Any other named disseminated variety, first prize "A," Mr. Fitzpatrick, Killarney; first prize " B ,'" Robert Simpson, Unele John; first prize "'1,'" John L'eitmeyer \& Son, La Detroit.

Queen of Elgely, first, Floral Exehange, Efgely, Pa.

Division 13. (Open to growers hav ing not more than 40,000 feet of glass in roses. $)$ 'lwelve ent hooms.

American Beanty, first, Briarclifi Greenhouses.

Bride, first, Montrose Greenhouses; seconl, R. T. MeGorum.

Briclesmail, first, Montrose Greenhouses; socoud, Robert Montgomery. Sonvenir de [Presilent Carnot, first, T. MeGorum; second, J. MeFarland.

Mrs. Oliver Ames, Robert Mont. gomery, second.

Ifybind l'erpetuals. Twelve eut blooms, stems not less than 12 inches. Ulrich Prumner, first, .T. MeFarland. Mrs. Johu Lainer, first, J. McFarlaud. Division E. Open to private gardeners and amateurs only. Twelve ent
blooms. Magna Charta, first, Cul. Charles ['taff.
sideclal mhizes for ott bioums.
Special prize presented by Benjamin Dorrance, for display of ent hooms of roses, not less than five varieties and not less than twenty five liluoms of any one variety, to be competed for by growers outsinte of a ralins of 1.90 miles of Boston, Brant hothers, L'tica, N. Y., a silver cup.
Supecial prize oftumd hy John F . Nugent, Jr., twenty-five hlooms of ang red rose not discominater previous to 190\%, first, John N. May, Gen. MacArthur.
suecial prize oflered by John J?. Nugent, dr., twoutrefe blooms of any pink rose not dissiminated 1 revious to 1ews, first, John Preitmerer s Sons, La Uetroit.
Special prize offered by lresident Alexander Muntgmary, twentrefo blvoms of aly Amertan seenting rose, introlluced in al sime 1901, John Broitmever's Soms, La Detroit.
special prize othomed hy Siebreeht \& Son, fifty hooms of Killarvey, gromen within e50 miles of Rostum, Mr. Fitzlatrick.

Srepial prize oftored by Treasurer Tohr N. Nay, lisplay of bloons not less than ten varietios, in a space of fifty square ferot, Col. Chatles Pfaff.

Executive committee"s prizes, fefty hlooms of Ammriwall buthuty roses, first. Waban linse G'mservatories; secont, lobiarelifi dmonhonses.
Fifty Homme of any other variety. first, d. Fahrenwolk, Liberty; seconil, W. II. Elliott, Liberty.

Six blooms of any variety introduced in 1901 or subsequently, first, John N. May, Gen. MacArthur.

Twenty five blooms of any rose of American arigin, not yet in commerce, either tea or hybrid tea, scedling or sport, Waban Rose Conservatories, Rose Wellesley.

Special prize offered by E. A. Clark, for twenty-five blooms of hybrid perpetual roses, not less than six varieties, for private gardeners only, Col. Charles Pfaff.

POT PLANTS, OPEN TO ALL.
Twenty five hybrid perpetual roses in pots, not less than ten varieties, Miss S. B. Fay (M. H. Walsh, gardener), a silver cup presented by Col. Charles Pfaff.
Twelve hybrid perpetual roses in pots, not less than five varieties, W. W. Edgar, offered by M. II. Walsh.
Six plants, any one variety, in not larger than 8 inch pots, F. R. Pierson, Baby Ramblers.

Specimen plant, in pot, first, W. W. Elgar, Mme. Eug. Verdier; second, M. H. Walsh, Urania.

## climbing roses in pots.

Specimen plant, trained or not, in pot or tub, not less than 12 -inch, first, M. 11. Walsh, Lady Gay.

Display of Rambler and climbing roses in pots, covering not less than fifty square feet, M. II. Walsh, offered sy F. R. Newbold.
Special Peter Crowe prize, for best vase of Bride and Bridesmaid, Waban Rose Conservatories, a gold medal.

Special Pierson \& Sefton silver cup, for vase of fifty assorted roses, not less than three varicties, the Waban Rose Conservatories.

Special cup offered by A. H. Hews Company for best rose plant, not a climber, W. W. Edgar.

Slecial prize offered by Weleh Brotbers for best vase of roses in the hall, Waban Rose Conservatories.

Special Lord \& Burnham trophy, Waban Rose Conservatories, first prize awarled in eonjnnction with the first prize for fifty American Beauty roses in class $F$.

## Those Present.

The following members of the American Rose Society registered: Harry O. May, Summit, N. J.; Fred. R. Newbold, Poughkeepsie, N. Y.; A. Fahrenwold, Hillside, Pa.; Walter F. Sheridan, John B. Nugent, Jr., Frank H. Traendly, Alexander Guttman, New York; Benjamin Hammond, Fishkill, N. Y.; A. H. Langjahr, New York; Thos. P. Higgins, Norfolk, Conn.; Peter Fisher, Ellis, Mass.; Frank L. Moore, Chatham, N. J.; M. H. Walsh, Woods Hole, Mass.; Winifred Rolker, New York; Robert. Simpson, Clifton, N. J.; Edward Walsh, Joseph Walsh, J. F. Walsh, Woods Hole, Mass. Others present were: Paul Dailledouze, Flushing, L. I.; James Hartshorne, Joliet, Ill.; F. R. Pierson, Tarrytown, N. Y.; Fred Breitmeyer, Detroit, Mich.; Peter Crowe, Utica, N. Y.; J. F. Hess, Hartford, Conn.; Henry Siebrecht, New Rochelle, N. Y.; Joseph Clarke, and E. O. Orpet, Lancaster; Charles Ingraliam, Westerly, R. I; James Scott, Tarrytown, N. Y.; Daniel McRorie, S. Orange, N. J.

## The Banquet.

On Friday evening, March 24, the allied horticultural interests tendered to the members of the American Rose Society a banquet at the Thorndike hotel. At 7:15 p. m. the party, consisting of a hundred ladies and gentlemen, marched to the strains of orchestral music into the banquet hall of the hotel. The committee having the function in charge had beautifully decorated the room making the hall a veritable rose garden. Every lady had a large bunch of violets for her corsage, and in the words of the hotel proprietor it was "one of the prettiest dinners ever held in Boston." The tables were so arranged that twenty sat at a large oval head table and the rest at small tables, six at each, around the room.

After a hearty enjoyment of the repast the exereises were inaugurated by James Wheeler, president of the Boston Gardeners' and Florists' Club, who called the assemblage to order, wel-


EXHIBITION OF THE AMERICAN FOSE SOCIETY, BOSTON, MASS., MARCH 28-26.

comed the guests and introduced the toastmaster of the evening, W. J. Stewart.

Those present were then entertained with an intellectual treat for the balance of the evening by President Montgomery, President Traendly of the New York Florists' Club, C. H. Parker, Prof. Elson, Peter Crowe, Henry Siebrecht, Jackson Dawson, President Peter Fisher of the American Carnation Society, Benjamin Hammond, J. K. L. M. Farquhar, J. B. Nugent, Jr., of New York, Theodore Wirth, of Hartford, Conn., and M. H. Walsh.

During the evening the toastmaster presented the cup offered by Col. Charles Pfaff to Miss S. B. Fay the winner, M. H. Walsh responding in her behalf, the cup offered by M. H. Walsh to W. W. Edgar, the cup offered by Lord \& Burnham and the medal offered by Peter Crowe to the Waban Rose Conservatories, President Alexander Montgomery responding to both offer ings. At a late hour the party dispersed after having spent one of the most enjoyable evenings in the horticultural history of Boston.

## President Alexander Montgomery.

Alexander Montgomery is so well known throughout the florist fraternity that an introduction seems hardly needed. For a quarter of a century he has presided over one of the foremost commercial rose-growing establishments on the American continent, and although he rarely allows himself to be drawn into prominence through anything he may say or write, yet he holds a position of honor and repute second to none. Mr. Montgomery's native reserve and unassuming characteristics have perhaps helped to secure him in the retired and unpretentious life that he seemed to prefer, but, as is generally the case, he has been at last called upon to emerge from his seclusion and assume the position of honor and usefulness for which his attainments have fitted him, and the American Rose Society is to be congratulated upon its wise choice. Mr. Montgomery's selection as the presiding officer of this body is truly an instance of the office geeking the man and not the man seeking the office, but, once in place, that gentleman can be relied upon to execute his charge with forceful ability, and the coming year will see a new life and ambition infused into the society devoted to the interests of the Queen of Flowers. The son of a gardener, being brought up from childhood in contact with gardening love, Mr. Montgomery comes naturally by his floricultural instincts and has that capacity for deep insight into the seerets of plant life which is always the best assurance of success. Asked on one occasion by a friend to explain the methods by which he produced the wonderful roses whieh have emanated from the Waban Rose Conservatories, his reply was simply, "By elose application aud watching of little details that are often overlooked because they appear trifling." The late Edmund M. Wood was a remarkable man in many respects, but in none of his moves did he show a wiser head than in the retention of Mr. Montgomery as manager of the vast range of rose houses at Natick. The Rose Society is also safe in that gentleman's hands.


DISPLAY OF ROSES AT THE AMERICAN ROSE SOCIETY'S EXHIBITION, BOSTON, MASS,, MARCH 23.26.

## Hardy Garden Roses.

BY M. II. WALSH, woons hole, mass.
A great deal bas been written by eminent rosarians and poets so often have sung the praises of the most beautiful of flowers, the queen of them all, the rose. This flower is pre-eminently entitled to this honor for the many purposes for which it is valued from the cradle to the grave. It is cheering to note the awakening of a new and live interest which is being manifested by anateurs and others in the growing of hardy garden roses. The inereased demand for these plants for the past five years is sufficient proof.

About twenty years ago the National Rose Society of England was organized, the aim and object of this society being to promote and eneourage the culture of the rose, and to disseminate practical information for the proper growth and cultiration of this flower. It is through the untiring efforts and the influence of this organization that the rose is so generally grown by the amateur and the cottager as well as by the wealthy class.

The American Rose Soriety is organ. ized practically the same principle, the aim and object being to promote a greater interest in the growing of the rose, and to edncate in its culture those who love the flower and desire to grow it. The American Rose Society includes in its membership, men, the greater part of whose lives have been devoted largely to the growing of roses, and who by their wide experience are well qualified to give the information so many people desire in relation to rose culture. The amateur rose growers especially, are secking and
anxions to reccive such directions
There are several essentials in the growing of roses. 'llhe first is the soil; this wonld apply in a general way. A large number who buy roses know nothing about what soil is best suited for these plants. This I know from my experience with purchasers. While they are often familiar with the varicties, they admit they know nothing whatever abont preparing the gronnd. Hundreds of these people would be willing to become members of the rose society, could they receive some practical cultural directions concerning rose growing.

It is surprising how many bny roses and continue to buy and replace them simply through lack of knowledge how to properly care for them. They buy through love of the flower for its own sake. Many know not whether they shonld be planted on the north side or in a southern exposure. They are not familiar with and know practically nothing about pruning and properly guarding against insect pests. In fact, the large majority of those who bny roses year after year have but little practical knowledge relating to the proper care and the attention these plants require for successful growth.

It seems to the writer that the society shonld give practical enltural directions and instructions to those seeking such, and begin and educate the masses who are interested in roses. This could be done by publishing a practical treatise on the rose for the amateur, or could be issned in the form of a butletin to all members of the society. When this became known I believe the nembership would rapully increase and the
bulletin, if fonnd desirable, could give infornation applicable to all points of this country. There are members well qualified in the different sections of the country to give the practical cultural directions treating on soil, situation, pruning, selection of varicties of hybrid teas, hybrit perpetuals, Japanese and their hybrids, climbing roses, rambler roses and their various uses.

This matter wisely followed up wonld make the American Rose Society the official organ, the recognized authority on all matters relating to the rose. At the present time the socicty may not be ready to take up this matter or approve of these suggestions, but I feel sure they will reccive their camest consicleration. The American Carnation Society is prosperous and the grand re. sults in the increasing popularity of this flower, the perfection of the blooms in color, size and texture are surprising and gratifying. The Chrysanthemmm Society of America is prosperons and the wonderful advance in the levelopment of this flower is marvelous. The peony has also a society and they are formulating plans for the classification and correct naming of the varieties. These sncieties are to be congratnlated for the zeal and perseverance and for the grand anh noble work they have done in their respective spheres.

The American Rose Society is waking to a realization of its duties which is gratifying, and the officers of the society have worked zealously the last year, and are entitled to the thanks and hearty co-operation of all its members. Let us hope that the interest now being manifested will stimnlate our rose growers to produre new and superior
varieties of American origin and better adapted to our climate. Nay the good work coutinue and the rose always hold the honor and title of queen of flowers and the garden.

## Massachusetts Horticultural Society.

The annual spring exhibition of the Massachnsetts Horticultural Society was held in conjnnction with the exhibition of the American Rose Society on March $53,24,25$ and 26 , in the halls of the society, and formed one of the most suceessiul exhibits ever held by the society. The inclemency of the weather on Friday and Saturday caused a falling off in the attendance, but the capacity of the hall was tested to its utmost on Sunday afternoon and evening. The display of roses was grand, and without question one of the largest and finest displays of greenhouse roses ever staged were seen.

A careful survey of the exhibitors' cards was proof that the exhibitiou was national in character, no less than fourteen states being represented in the products shown. The lecture hall in the front of the building was given up to the exhibition of the roses and carnations, and the roses had the call, for all but three tables in this large room were filled with beautiful specimens of the queen of flowers. The center of intcrest was the contest for the executive committee's prize for the best fifty blooms of American Beanty roses, for the victor in this class would also win the "first leg"' on the trophy presented by Lord \& Burnhanı Company, valued at $\$ 250$, which must be won three times by the same exhibitor before he becomes the possessor. Threc clegant vases of this incomparable rose were staged by the Waban Rose Conservatories, Natiek, Mass. F. R. Pierson Company, Tarrytown, N. Y., and W. H. Elliott, Brighton, Mass. The judges, Peter Crowe, J. F. IIess, and Walter F. Sheridan snccessfully performed a most difficnlt task in rendering their decision. In the rose socicty classes the prizes were very evenly divided, some growers winning with one variety and
being obliged to give way to others in other varieties, but in the horticultural society prizes W. H. Elliott succeeded in capturing a large majority of the firsts.

In the carnation classes as is usual at the Boston exhibitions, Peter Fisher, II. A. Patten and $W \mathrm{~m}$. Nicholson succceded in dividing most of the prizes. In only three of the classes were the firsts taken from these three exhibitors.

There was a grand display of the carnation novelties for 1905 and 1906 staged which proved a great attraction for the growers in the vicinity. Richard Witterstaetter, of Cincinnati, O., sent Aristoerat and Afterglow; F. R. Pierson Company, sent Winsor and Variegated Lawson; M. A. Patten sent Mikado and Pink Patten; W. J. \& M. S. Vesey, Fort Wayne, Ind., Glendale; Lakeriew Gardens, Jamestown, N. Y., Gladys; Chicago Carnation Company, Cardinal; Guttman \& Weber, Vietory; J. E. Haines, Carnation John E. IIaines; John Murchie sent Fred Burki; H. Weber \& Sons sent My Maryland; L. E. Small had seedling No. 3, white, and Peter Fisher had Princess.

In the pot grown roses W. W. Edgar showed some exceptionally well grown speeimens of hybrid perpetuals and Miss S. B. Fay a large collection. In the elimbing section M. H. Walsh made an extensive exhibit nearly filling the end of the large ball with immense specimens in pots and tubs. This exhibitor also staged pot grown plants of his seedling, Urania, a hybrid perpetual rose of great promise. William Sim had three large vases of his mammoth sweet peas, Mont Blanc, white; Earliest of All, pink; and a novelty, Earliest Sumbeam, a very light yellow.

On the floor space of the main hall were staged immense plants of eyclamen and einerarias. In eyclamens, George F. Fabyan, James Stuart, gardener, again carried off the firsts. It was thought some years ago that the limit in size of these plants had been reached, but they still grow larger and the specimen plant awarded first prize in this collection was certainly the


EXHIBITION OF THE MASSACHUSETTS HORTICULTURAL SOCIETY.
largest plant ever shown here. The exhibit of Mrs. J. L. Gardner, Wm. Thacher, gardener, of Cineraria stellata was a revelation. In the display of Easter plants Mrs. Gardner and Edward MacMulkin staged beautiful groups.

In the hall also were seen a large group of bulbous and spring plants from R. \& J. Farquhar; a group from E. W. Converse, Robert Marshall, gardener; an exbibit of rhododendrons, Azalea mollis and other hard wooded plants from the Bussey Institute; and an elaborate display of Primula obconica, orchids, etc., all correctly labeled, from the Harvard Botanic Garden, Robert Cameron, gardener.
F. R. Pierson Company presented some beautiful specimens of Nephrolepis elegantissima and well grown plants of the Baby Rambler rose. Two new sports of Boston fern were also staged, Dorchester, a fine leaved variety by the L. H. Foster estate; and a heavy leaved variety named Barrowsii, from H. H. Barrows \& Son, Whitman, Mass.; the latter was awarded a first class certificate of merit.

In the side hall were staged the orchids and bulbous plants. The exhibit of orchids was extensive and included as large an assortment of varieties as is often seen. That of the Langwater Gardens, North Easton, Mass., W. P. Craig, gardener, which was awarded first, was a most extensive display. Lager \& Hurrell, Summit, N. J., and Julius Roehrs Company, Rutherford, N. J., exhibited collections.

The display of hyacinths, tulips and narcissi was of the best quality and some bandsome pans were shown by Mrs. J. L. Gardner, William Whitman, Michael Sullivan, gardener; E. A. Clark, M. A. Riggs, gardener; and G. F. Fabyan, James Stuart, gardener, and the Bussey Institute.

## Pennsylvania Horticultural Society. annual spring exhibition.

The spring exhibition of the Pennsylvania Horticultural Society opened in its beautiful hall at 2 p. m., Tuesday, March 28. It was a spring show, there could be no mistake, as the flowers that bloom in spring were everywhere in evidence, the large display of hyacinths, tulips and daftodils being the feature of the show. Years ago hyacinths were always shown in a pot, and now the decorative feature is evidenced by hundreds of pans of these beantiful flowers, together with a number of bulbs, these making them doubly attractive. Tulips and daffodils were arranged the same way with from twelve to twenty-four bulbs to a pan. There were two pans of these with one hundred plants in each, which made a most attractive display. These classes of plants were arranged on three long low tables, one the entire width of the hall; the other two extended from the main hall to the foyer, either side of the grand stairway. It was much the best display both in quality and quantity of these bulbs that has been ever shown before the society.

As we entered the lower foyer of the hall the eye was caught by two fine specimens of bougainvillea one at either post of the grand stairway. They were exhibited by W. K. Harris and were very much admired. H. A. Dreer and Henry F. Miehell Company had exhibits of grass seeds on either side of the
foyer. On the posts of the stairway at the first landing stood two of W. H. Robertson's best arecas, grand specimens, and for which he received first prize. Flanking the steps on either side up to the main floor were specimen zonale geraniums in 8 and 10 -inch pots. To the right just inside the main hall Julius Roehrs, Company staged a
latter flowers, one large scarlet Roi de Belgium being very effective. Perhaps one of the most striking plants in the show was a fine specimen of Anthurium Andreanum with eight perfect blooms. Along the front of the stage were collections of rare plants, among them being fine anthuriums and cinerarias. There was also keen competition for


A BOTANICAL WORK OF 1678.
(In the porsission of Godfrey Asphmann, the well-known grower of lhiladilphia, lat.)
proud collection of new and rare orchids. On the opposite side of the ball Lager \& Hurrell were also represented with a display of popular and new varieties which attracted much attention.

In the center of hall there was a fine group of choice palms, anthuriums and other rare plants bordered with spring bulbs, spiræas, daisies, etc., in full flower. It was the most attractive group ever seen in the ball. These were from the Fairmount park conservatories and are a great credit to Mr. Schmidt, who has them in charge. Although not in competition they compared so favorably with the best work of the private gardeners that the visitors could not help be satisfied with the product of their own conservatories and the work of the master hand that manages them. There were four large groups of twelve choice plants in each, two on either side of ball. They contained the pick of each gardener's collection and added much to the decorative features of the show.

In the three front balconies overlook. ing the grand staircase the William Graham Company arranged three arches of colored lights which made this part of the exhibition very attractive. Four tall specimen palms were the centers of groups placed at each corner of the central floor space, and were surrounded by blooming plants prominent among which were fine specimens of Cineraria stellata. These showy plants are great favorites with the public. Rhododendrons made up one of the other groups and were very showy. Azaleas formed another group and at intervals were seen many fine specimen plants of these
the Primula obconica prizes, the collection of plants making a great display. Joseph Heacock was present with samples from his stock of choice kentias; they were well grown commercial
plants and made a pretty group. In the front end of the hall next the fojer were daisies and genistas, large showy plants with which the judges had quite a time determining the winners. Taking it all in all it is considered about the best spring exhibition the society has hat fur a long time. The prizes follow:

Orchide display of plants and cat flowers arranged for effect, first, Julius Roehrs Comarranged for efect, Nrst,
Ferns, specimen plant, first, George W, dener; Bryn Mawr, Pa., Thomas Long, gar Pa.: Samnel Batchelor, gardener.
Ornamental foliage plants, specimen plant, first, Edrard A. Schmidt, Radnor, Pa., Johi Hobson. gardener; second, James W. Pand, Jr., Radnor, Pa., Joseph Hurley, gardeuer. Jobn W. Pepper, Jenkintown, Pa., Wm Robertson, gardener; second, C. B. Newhold Palms, specimen plant in pot or tub, first John IV. F'epper; second, C. B. Newhold. Azaleas, four plants in bloom, four varieties, in not over 10 -inch pots, first, Mrs. R. J. C. Walker, Germantown, John McCleary, gartener; second, Edward A. Schmidt.

Azaleas, specimen plant any color, first, P. A. B. Widener, Ogontz, Pa.. Wm. Kleinheinz, gardener; second. C. B. Newbold.
Genistas, two plants, first, C. B. Newbold ; second, James W. Paul, Jr.
Genistas, specimen plant, first, John W. Pepper; second, C. B. Newbold.
Hydrangeas, three plants, first, John W. Pepper.
Hydrangeas, specimen plant, first, John . Pepper
Fuchsias, three plants, first, John W. Pepper.

Marguerjtes, the plants in not over 12 inch pots, first, C. B. Newbold; second John W. Pepper

Zonale geraniums, six plants, six varieties in not over S-inch pots, first, John W Pepper ; second, C. B. Newbold

Zonale geraniums, specimen plant, first Tohn W. Pepper; second, James W. Paul $\mathrm{Jr}_{\mathrm{r}}$.

Rhododendrons, three plants, first, Mrs. R. J. C. Walker; second, James W. Paul, Begonias, flowering varieties, six plants, iirst, James W. Panl, Jr.
Begonias, specimen plant. first, H. Hopper, Narberth, Pa.. J. H. Dodds, gardener; second, Edward A. Schmidt.
Acacia, specimen plant, first, John W. Pepper.


PRIZE CYCLAMEN AT THE BOSTON SHOW
 Gro. F. Fabyan, Hratiliw, V:as,

Callas, one pair of pots or pans, first, John W. Pepper. Spirea, six plants, three varieties, first,
Mrs. R. J. C. Walker; secoud, John W. Pepper.
Cineraria bybrida, six plants, first, P. A. B. Widener.

Cineraria stellata, six plants, first, C. B. Newbold; second, P. A. B. Widener.
Cineraria stellata, specimen plant, first, C. B. Newbold: second. P. A. B. Widener. Cyclamen, six plants, first, J. Vaughn Merrick, Roxborough, Philadelphia, Frant Ibbotson, gardener.
Primula obconica grandiflora, six plants, first, John W. Pepper; second, James W. Paul, Jr.
Primroses, English bybrid, two pans, nct over ten inches, first, James W. Paul, Jr Pansies, two pans, not over ten inches, first, Mrs. R. J. C. Walker.
Lilium longiflorum or Harrisii, six pots or pans. three bulbs to pot or pan, first, James W. Paul, Jr.
Lilium longiflorum or Harrisii, three plants, in not over 10 -inch pots, first, Johu W. Pepper; second, James W. Paul, Jr

Flowering plant, best specimen, first, Edward A. Schmidt; second. C. B. Newbold. Display of palms and ornamental foliage plants, twelve plants, first, H. S. Hopper; second, James W. Paul, Jr.
Azaleas. three plants in bloom for the Crosswicks prize, offered by C. B. Newbold, first, C. B. Newbold; second, James W. Paul, Jr.

## Heating Greenhouse and Cottage.

 Ed. American Florist:-I have a small greenhouse $10 \times 28$, a leanto attached to my cottage, and protected on the north by the cottage. I am heating three rooms in the cottage with 100 feet of radiators attached to a No. 11/2 Furman steam boiler. I propose to run a 2 -inch main the length of the greenhouse then return through three rows of $11 / 2$-inch pipe. Will that maintain a temperature of $55^{\circ}$ at night at one or two pounds pressure? Is the boiler large enough to do the work of the cottage and the greenhouse?
W. D.

If there is no glass iu the side wall the plau proposed would probably answer, although if the ends of the house are exposed and of glass it will be best to have the coils extend at least half way across the ends as well as along the side. If properly handled the boiler should be sufficient to do the work, although it may require heavy firing in extremely cold weather.
L. R. T.

## WITH THE GROWERS

## Chatogue Greenhouses, Mobile, Ala.

The accompanying illustration shows a corner in the developing cellar of the Chatogue Greenhouses, Spring Hill, near Mobile, Ala., and jars of Bride, Bridesmaid and Golden Gate roses. Until the present season it has been a question whether high class roses could be grown out of season on the Gulf coast, temperature and climatic conditions being all against it. Mildew and thrips have driven all previons efforts to failure, and the Gulf coast has heretofore depended on the west for fine roses during the winter.

The character of the flowers shown in the illustration would indicate that the Chatogue Greenhouses have solved the problem. Most of the buds shown measured three and one-half inches in length, and New Orleans, always most eritical, has quickly recognized the greater merit of fresh roses over those two to three days in the packing cases, no less than seven retailers offering to take the entire cut for the season.

Bride, Bridesmaid and Golden Gate are the standards, but Kaiserin has done wonderfully well. Chatenay is alnost a failure and will be discarded another season. Perle does well, but a yellow in the class with Golden Gate is very much needed. Richmond will be grown for red next season. A trial shipment of buds from E. G. Hill arrived in a wilted condition, but revived over night in the cellar and were good for a week in the drawing room, where many flower lovers from Mobile came to admire them. Only for a little more size and Richmond is a big winner. MacArthur, Killarney ancl Wellesley will be tried to a limited extent. A special grower has been secured for American Beanty and they will be grown for the New Orleans market.

A house of 15,000 feet of glass is now being built for carnations, and only the top notchers will be handled, Fiancee, Enchantress, White and Pink Lawson, Larly Bountiful, Prosperity, Harlowarden, Crane and Moonlight. The lat.
ter is the white for the south. The car nations will be grown on the ground; the small plants will be taken from the house in April, set in their next winter home, and the house built over them.

The Chatogue houses, with this summer's addition, will have about 50,000 feet of glass. Col. F. P. Davis, the owner, of Chatogue, is well known to the trade. The plant is under the direct management of Robert Lockerbie.
X.

## Pruning Shrubs, Roses and Trees.

The pruning of shrubs and trees where it has not been performed, should now be attended to without delay, before spring vegetation becomes active. We usually commence our prun. ing operations in December, and continue through the winter months when weather conditions permit. We would like to commence pruning in November, but the pressure of other work at that time never permits us to do so. Pruning in a general way is a corrective operation, and has to be done to regulate growth, direct energy into certain channels, preserve symmetry, not formality, assist in natural development and promote floriferousness.

Any person who has spent a number of years in the cultivation of hardy trees and shrubs, natives of different parts of the north temperate zone, and studied their individualities, will have observed that many of them require a great deal of attention in disbudding and pruning, to enjoy their best beauty. Some on the other hand grow and branch in such a manner that they need but little pruning assistance in developing their best characteristics.
Spring and summer pruning, that is, cutting out the flowering sprays and to that time the camellia was the misplaced and superfluous growths of shrubs such as the forsythias, Ninebark, Japan quince, bridal wreath, Spirea Thunbergi, S. lanceolata, and S. Van Houttei, lilacs, deutzias, diervillas and philadelphuses, when they are done blooming is good cultural practice, if the operator thoroughly understands the operation. It is well understood that summer pruning has a more or less weakening effect on woody plants, so that if severe thinning of the branches should be resorted to among the last named subjects in the growing season it will certainly impair vitality. Our advice is, cut very moderately the Howering sprays that plainly impede and prevent the development of the young growths, and if a mass of congested shoots are being projected where they are plainly too thick, thin some of them out. The com pletion of the work can intelligently be prosecuted in winter, and all old flowering sprays, gnarled, diseased branches, watery sprouts and congested shoots thinned out, being careful to preserve the natural outlines of the shrubs; free and flowering.

Shrubs with branching habits like tho enonymuses, exochordas, bush honeysuckles, buckthorns, barberries, and caraganas, that do not produce large flowering sprays, require a little thinning out of the branches where they are dense and thick, and where they rub and cross each other. The ornamental crabs, pears and plums usually produce more or less suckers, cross shoots, and
sprouts in their interiors; these should be removed. Some of the ornamental plums will send out long, sprawling shoots from their tops that interfere with general symmetry. These can be shortened back a little, and a more compact head produced.

The white flowering dogwood, alternate dogwood, red-bud, some of the viburnums, and most of the magnolias, have what might be termed naturally good habits, and pruning or thinning of the branches is rarely necessary. Occasionally one of tro branches that rub against each other will require removal. The dogwoods with brightly colored bark on their young growths, such as Cornus stolonifera, C. alba, C. Baileyi, C. Amomum and C. Purpusi, that produce such handsome effects in late winter and early spring, will lose moch of their beauty if they are allowed to grow for a number of years into large bushes. If they are cut back severely, they will immediately throw up a mass of young growths and produce much prettier effects than if left untouched.

The candleberry, Myrica Carolinensis, a very useful native decorative shrub, will in eight or ten years become thin and straggling. We cut it back within two or three feet of the base under such conditions, and the second year after cutting it forms a dense, handsome mass and will remain so for many years. Buddleias, callicarpas, the different varieties of Hibiscus Syriacus, indigoferas, late blooming spiræas, clethras, Hydrangea paniculata, H. arborescens, H. hirta and H. urticifolia, and shrubs of that nature that bloom on the young wood of the year, will make a much better flowering display if the previous year's growths are well shortened back towards the base.

The different species of roses in cultivation require in some cases careful pruning. For example, the handsome Japanese Rosa multiflora flowers on the young growths of the previous year right to the tips. Unless the shoots have sprawled out of all proportion to the general symmetry, they should be left full length and nothing but old wood removed. R. rugosa will flower on the growths of the year if it is cut down to the ground, but, of course, the flowers will be produced late in the season. It will submit patiently to any kind of pruning and produce flowers freely. The Persian briars should have a little careful thinning out of the old wood, but they should not be cut back or their flowers will nearly all be lost. The Scotch roses should have the same treatment as the last. As a general rule with most of the roses, the best plan is to thin out the old and weak wood, and not cut them back unless they get too unwieldy for the position they occupy. The garden roses known as the Hybrid Remontants, the most popular of all roses, always flower best if the old wood is thinned out and the young sboots of the weakest growers cut back within two or three eyes of the base, and the strong growing kinds should have their shoots cut back about half way.

Ornamental and shade trees should he looked through to remove overcrowded branches; limbs that rub against their neighbors, and broken and decrepit branches should be cut out without hesitation. Some trees

three generations of vanderbilt gardeners.
such as Norway spruce and sugar maples produce dense, branching tops with great congestion anong the branches. A little judicious thinning will help those limbs in the struggle for existence, but they should be entirely removed at the base, because if they are simply shortened back it will surely aggravate the cvil of density. Dead and diseased limbs can best be detected in the growing season. Trees like most of the oaks, hickories, tulip and cucumber trees seldom require any pruning.

The elms, soft maples, ash-leaf maple, ant others that usually branch from ten to fifteen feet above the ground into a number of equal subdivisions, or produce a number of long, sprawling, heavy limbs, that are liable to be broken in violent summer storms, as we see occurring more or less fre. quently to such trecs every season, should be carefully watched. Wherever they are planted and in their vouthful days, the side and lateral jranches should be rigoronsly subor dinated to one main central stem. If the tops of trees thus trained are kept proportionate, when they attain large size they can resist the most violent storms without damage. It is very important in tree proning to cover ail large wennds with coal tar or gool? thick paint.

Join Dunbar.

## An Honored Craftsman.

Jolsn Allan, Sr., will, April 1, sever his active management of the Oakland Farms for Alfred G. Vanderbilt at South Portsmouth, R. I. Mr. Allan began bis duties under Cornclius Vanderbilt, and for some twenty years
has scrved the Vanderbilt family as he would himselt. Since Alfred G. Vauderbilt has so enlarged his father's farms, he has many times thought that the care and worxy of these large estates was almost too heary for one of Mr. Allan's already long service, and he therefore has retired him with such liherality. It is an houor to the man who can appreciate faithful labor, as it is an earned reward by a man who is worthy to receive such splendid recog. nition of years of faithful service.
The portrait not only shows Mr. Allan, but also his son and grandson. John T. Allan has followed in his father's footsteps, having for many years been heart gardener to John R. Drexel, of Philadelphia.
M. B. Faton.

## Trouble With Snails.

Ed. American Florist:-
I am troubled with snails in my greenhouse. Kindly advise how to rid my louses of them.
J. P. H.

One of our readers states that be keeps toads in bis greenhouses to keep llown snails and other night raiding pests; another scatters lettuce leaves. sliced potatoes or sliced apples about the henches and catches the snails while feeling after dark, or under the bait the next morning. Another uses bran as bait, placing it about on pieces of loard, and another finds that camphor balls, such as are used for keeping moths out of garments, scattered about among the plants will either kill the snails or drive then away.
N. Cambinge, Mass.-W. B. Perkins March 11 opentd a flomer store at 1880 Massachusetts avenue.

## THE ROSE.

## Rose Culture Under Glass.

[Read before the March meeting of the Monmouth County Horticultural Society, Oceanic, Arrarded first prize for essay written by
assistant gardeners.]

Rose cuttings Rose cuttings can be taken in the best menth is January. The cuttings should be taken from only healthy plants. The best cuttings are those that are taken from flowering shoots lout blind wood can also be used. The eyes should not be toe far advauced. When making the cuttings, use two eyes, cutting the bottom leaf off. The cut should be made with a sharp knife and must be smooth. If the room in the sand bench is scarce the top leaves can be trimmed. The cutting bench should be on the north side of a house with bottom heat; the bottom heat should be from $60^{\circ}$ to $62^{\circ}$ and overhead $58^{\circ}$ to $60^{\circ}$. The bench should be washed out thoroughly and then whitewashed. Crock or moss should be used for drainage and the sand should be coarse. Put a layer about three and one-half inches thick in the bench then give a good watering and press the sand hard. The sun should not strike the cuttings until rooted. They should be syringed three times a day and should be rooted in three weeks.

When the roots are from one-balf te an inch leng pot them in thumb pets, and when they are showing considerably, pot them in a size larger and so on until they are planted in the bench. They should never become potbound. Most of the growers nomadays use grafted stack in preference to cuttings. As soon as manetti stock arrives it ought to be heeled in, in a cool place but uot letting the frost reach it. When potting, put them in as small pots as possible but large enough to cover the roots entirely. Sometimes manetti stock has fery large roots and instead of taking three or three and one-half-inch pots, I would rather trim the roots somewhat. As soon as the manetti is budded out well and before leaf growth, grafting should commence. The temperature of the house should be $50^{\circ}$. Syringe them sevoral times a day.

The bench for the grafts should have botton heat, enclosed on the sides, having it arranged so that a side can be taken off if there is too much heat. A frame about two feet high on one side, with a slope down to one foot four inches on the other side put over a lench should be about the right height. It must be air-tight and if any cracks are found they should be closed. The bottom should be thoroughly washed and whitewashed. A two or three inch layer of sand or sifted ashes would be primgh to put into the bottom. Water thr ashes or sand thoroughly before putting the grafted plants in, as the moisture in the bex will have to neurish the plants for the first four days.
rirafting should be done as quickly as possible. It is best to have a few sharn knives handy. Make a slant cut about three-fourths of an inch long on The manetti as close to the pet as it is conveniment to tie, making the cut of four graft the same sizc. The wood of numbirr of vessels to be laden with boxerg ny vases of rose plants so preparel as not to hinom before
their delivery at Rome. The cost of rases thus delivered in Rome the graft should be as near the same size of the manetti as possible. The best wood is the heel of a flowering shoet and should be taken from the healthiest stock. Have one eye on the graft and trim leaves a little. When matching both cuts see that one side and the bottom of the cut matches, bark with bark. In tying start at top of manetti and finish at the bottom. The temperature at about $80^{\circ}$ was the best with us.

Do net open the box till the fourth day and then give a slight syringing, airing them for about five minutes and every day a couple of minutes more until the ninth day, when they should have a little air. The manetti shoots should be taken off and plants which are dry watered. After the seventh day the temperature should drep to $75^{\circ}$. A little more air should be given each day after ninth day. After three weeks the grafts ought to have grown together, then be taken out and put in a tempera-

P. J. Lynch
(Secretary-treasurer of the Dingee id Conard Company, West Grove. Pa.. whose interestin, paper on roses appeared in our issue of March $1 *$ pare 323 )
ture of $62^{\circ}$, temperature going down gradually to regular rose house heat.

When plants show sigas of good growth loosen the raffia to prevent same from cutting into the weod. My reason for not taking the raffia off too early is: If the graft has not taken well on some places it will callous better than if the raffia is off, also the graft won't break off se easy. When planting in the bench the graft should be covered. The benches should be washed the same as cutting bench and when dry whitewashed. The drainage in the bottom of the bench should be covered with sod or coarse manure and lenches filled about four inches with soil. The best soil is sandy loam from an old cow pasture, mixcl with about one-fifth rotted cow manure. The soil should be cut over about three times before using in the leach. Extreme care should be taken in planting the roses. A hole should be made large cnough to cover the hall with easc. It can then be held with one hand the exact depth and the
soil pressed around it with the other. Do not cover the ball of the rose too much.

After planting peund the bench with a brick or tramp between the reses. Water immediately after planting around the ball and then according to the growth of the roots. Our prinicipal feeding is manure water but at different times different manures are used, such as cow manure, chicken and sheep manure, a good dusting of bonemeal and once in a while wood ashes. Mulching should never be done during the dark days in winter. The blind wood an Ivory and Golden Gate can be cut off to some extcnt as they make quick growth.

## THE RETAIL TRADE

The Rose in Decorative Art.
[Read before the New York Florists' Club at its March meeting by Robert Kift, of Philadelphia. 1

When Dame Nature stirs in the early spring and arouses into life the early snowdrops and crocuses, which in turn are followed by their more pretentious kinsmen, the gaudy tulips, the daffodils and stately hyacinths, she pauses awhile to admire and then actively and vigorously her work gees on, until the whole landscape is pictured with her beantiful art. But still she presses forward net satisfied, until at last the crewning glory of her work appears, the rase, the queen of flowers. It is ber masterpiece. She has endowed it with every virtue, it is mest beautiful in form, it has almost all the colors of the rainbow, while its fragrance is most delightful. She guards it carefully, providing even an armor of thorns to protect it.
"' Tis sweet to dare the tangled fence
To cull the timid foweret thence.'
Such is a brief description of the flower we honor tonight. Almost the entire history of the roses of commerce, as we know them today, covers but the short period since 1870 . Prior favored flower, and choice blossoms brought fabulous prices. As soon, however, as the rose made its appearance the camellia was doomed. Bon Silene, Safrane, Marechal Niel and La Marque, small and insignificant as, with the exception of the Marechal Niel, they appeared, soon relegated the old favorite to the background and finally to oblivion.

How I remember the weary bunt in the early eighties from one greenhouse to another over the Hoboken hills, gathering in a few Bon Silene and Safranos here and there, and possibly a few Jacqueminots, which were then being forced in small quantities but which soon taek the lead as the most popular rese. Twe or three hundred buds were then considered a large stock and well worth the one or two days journey necessary to get them. The decorative features of the flower did not count for much until the long stemmed hybrids made their appearance. The advent of Ernst Asmus's Glory of Paris (Anna de Diesbach) made a great sensation; this was followed by the Ulrich Brunner and Mrs, John Laing. Then came the new teas, Cath-
erine Mermet, followed by the Bride and Bridesmaid.

It was, however, that queen of roses, American Beauty, introduced to the public by the Field Brothers, of Washington, that placed the rose in the van as a decorative flower. Now, no impor. tant decoration appears complete without a liberal representation of this variety to add dignity to the occasion. To a certain degree Dame Fashion must be reckoned with in floral art, as there are fashions in flowers and floral devices the same as in dress.

Peter Henderson's book on the art of bouquet making and the general arrangement of cut flowers was the recognized authority of his period. The close compact form presenting solid masses of flowers without foliage was then the fashion and the details of arrangement were minutely described in this work. Since then, with the great strides made in the cultivation of flowers and the production of longstemmed blossoms, the styles bave changed, the close formal designs have been succeeded by the more graceful and natural arrangements that display the beauty of stem and foliage as well as flower.

In the garden Dame Nature arranges her flowers in the most beautiful manner conceivable, the branches of the climbers bend over gracefully with their wealth of bloom, all, even the smallest blossom uniting into a perfect whole, while the bush varieties throw up their single buds or clusters that stand from out their wealth of foliage in perfect symmetry. Such effects can be produced in the ball room or elaborate house functions, the growing rose being simulated and made to climb in any direction and when covered with blossoms makes a capital counterfeit and beautiful decoration. For the wedding, that most joyful time of life, there is no flower that more fittingly graces the occasion than the rose. In the church, the altar, the chancel, the windows, the pew ends, in fact, at every available point there should be seen this most beautiful flower. The bride and her maids should carry them, and under a bower, surrounded on every hand by beautiful roses, slie should stand to receive the good wisbes of her guests.

The beautiful custom of greeting the debutante upon her entrance into soeiety with the choicest flowers, has grown into prominence the past decade, and offers great opportunities for the artist. Probably no other occasion brings together such an assortment of flowers as are to be found among the hundreds of clusters that grace the receptions of the popular young buds. The rose is also found in the front ranks here, as seventy-five per cent of the bouquets are sure to be of our favorite flower.

The arrangement of flowers for the dining table is an art in itself and the rose easily leads in popularity for this purpose. The formal plateau or mound has given place to the more graceful arrangement in low bowls, below, or high receptacles that carry the flowers above the line of vision. When loosely arranged in such vases all the beauty and grace of the flower is brought out. They should not be so crowded as to lose their individuality, but enough should be used to get the color effect, and their quality and freshness should always be such as to leave nothing to be desired. Tall vases of long stemmed


FLORAL DESIGN FOR THE FUNERAL OF THE LATE P. T. HUDDART.
(From the salt Lako (Cit! Florists.)

American Beauty roses are still very popular, and certainly the most effective of all roses, whether used in groups of palns, on the banquet table, or in other of the many places that seem ideal for them, and for which there seems to be almost no substitute.

The use of flowers to carry the voice of eondolence to bereaved ones is a beautiful custom, and one, let us bope, that will never die out. It can hardly be classed as decorative art, yet for those who have the final disposition of flowers as they are placed before the public today, it is a very important branch of the business, and as much care and attention must be given and as skillful treatment in the arrangement as for any other occasion. Here, as elsewhere, simplicity has asserted itself, and the cluster of long stemmed roses and the wreath, the least formal of all designs, are fast growing in popularity.

If we can believe the accounts of the extravagant use of roses thousands of years ago, and they appear to be authentic, our most extensive decorations are as nothing when compared to those elaborate displays, as much as one hundred thousand dollars having been spent by Nero for rases for one entertainment. What they sold for by the dozen may be conjectured from the following, copied from Mr. Parson's book on "The Rose,' published in 1847:
"If the Egyptians cultivated roses for transportation to Rome during the winter, they must bave had very extensive plantations for the purpose. The exportation could have not bave been of loose flowers or they would have heen withered long before the termination of the voyage. Neither could it have been of rooted plants in a dormant state, as nurserymen now send them to every part of the world, because the Romans had at that time no means of causing them to vegetate and bloom in the winter. On the contrary, the cultivators at Alexandria and Menphis ruast of necessity have sent them away in the vases and boxes in which they had planted them with that object, and when they were just beginning to break from the bud, in order that they might arrive at Rome at the moment they commenced expanding.
${ }^{6}$ At that remote period when navigation was far behind its present state of perfection, the voyage from the mouth of the Nile to the coast of Italy occupied nore than treuty days. When this long voyage is considered, and also the quantity of roses required by the Romans to enwreath their erowns and garlands, to eover their tables and couches and the pavements of their fes. tive halls and to surround the urns which contained the ashes of their dead, it is evidert that the Egyptians who traded in roses, in order to satisfy the
prodigality of the Romans rould be compelled to keep in readiness a certain must have been immense, but we do not find a single passage in ancient authors which can give any light on this point; they only tell us that nothing for the gratification of luxury was eonsidered too costly for the wealthy Roman citizen.'

What would rose bushes in bud, such as we know them today, look like after a three weeks' journey by sea? 'They must have been impregnated with the same blood as Burbank's fadeless flower; in fact we are led to wonder if the roses of that day were roses at all, or at least such as we know them now. It appears to have been the custom at that period to use flowers most lavishly, and particularly for dinners, and all social occasions, and for the dead. In addition to the decorations for the table, the couches upon which the guests reclined were elaborately decked with roses, as were also the floors of the rooms. Cleopatra covered the floors of her dining rooms with rose leaves to a considerable depth, and over them placed a fine net, so that her guests might tread the floral carpet without inconvenience. It was the custom to cover the beds of the guests with roses, and sonse who slept under layers of rose petals were annoyed beyond measure if any of them should start to curl, indicating they were not fresh. I fear that some of their descendants are among our patrons of today.

The rose has many rivals as a decora. tive flower. The chrysanthemum, the carnation, the lily, and even that butterfly of fashion, the orchid, are all in the race for popularity. But the rose, endowed with so many points of excellence, is still the one great favorite.

One thing more may be said of the rose that can hardly apply to any other flower, and that is its changing beauty; as a bud we admire it, and as it slowly develops until half blown, it grows more and more beautiful, until finally when fully expanded it takes another form and gradually fades away.

Oh, there is naught in mature bright,
Where roses do not shed their light !
And when, at length, with pale decline
And florid beauties fade and pine,
Its florid beauties fade and pine,
Diffuses odors e'en in death.

Pentwater, Mich.-The greenhouses of B. C. Lindley Company have been purchased by Lowry P. Rudd, who formerly had charge of them.

La Grange, Tex.-A flower show will be held May 4, 5 and 6 under the atuspices of the Casino association. Max Robson is secretary of the enter prise.

Matetrord, Conn.-Edward Welch has bought additional property on Annawan street and will build more grecnloouses in all probability next serason.
Pitthiburg, Pa.-The spring flower show in the Phipns ronservatorics, Sclamley park, will apen April ! instear] of Easter Sunday as has been tha custom before.

Cheymene, Wro. - The landseape Appartment of the Union Pacific divi sion here has completed an addition to their ereenhouse $10 \times 75$ feet, and has purchased five actes of land for additional erermhouses and nursery

## MARKET GARDENS.

## Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points March 25 were as follows: New York, cucumbers, No. 1, $\$ 1.25$ to $\$ 1.50$ per dozen; No. 2, $\$ 2.50$ to $\$ 3.50$ per case; lettuce, 75 cents to 90 cents per dozen; mushrooms, 25 cents to 50 cents per pound; radishes, $\$ 3$ to $\$ 4$ per 100; tomatoes, 10 cents to 35 cents per pound; rhubarb, $\$ 2.50$ to $\$ 3.50$ per 100 bunches. Buffalo, cucumbers, $\$ 1$ to $\$ 1.50$ per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, $\$ 2$ per dozen. Pittsburg, cucumbers, $\$ 1$ to $\$ 1.50$ per dozen. Detroit, cucumbers, $\$ 2$ per dozen; lettuce, 13 cents to 14 cents per pound. St. Louis, cucumbers, $\$ 1.50$ to $\$ 1.75$ per dozen. Chicago, mushrooms, 30 cents to 45 cents per pound. Denver, cucumbers, $\$ 2$ per dozen. Cincinnati, cucumbers, $\$ 1.50$ to $\$ 2$ per dozen. Kansas City, mushrooms, 40 cents per pound.

## Foreing Rhubarb.

Khubarb forcing presents some features to the market gardener, even in isolated Jocalities, as a desirable adjunct to his business. Many force rhubarb extensively. To those who have not experimented it may be safe to say, like mushroom growing, the demand for the product is at onee created when well grown. Scveral ways of forcing or forwarding rhubarb are practiced by market gardeners. The best method, of course, is having a cellar or building devoted entirely to it; in such a method convenience in handling the roots and soil and controlling the heat are taken care of and thus diminish the expense incident to the operation. A common method is to utilize space in packing rooms and under the greenhouse benches; in fact any convenient place where light can be somewhat excluded and a moderate temperature obtained. Another common method is building a structure over the roots in the field, using either sash or cloth for sides and roof; sometimes heated but more frequently not, and serving more as a hastening pro* cess than forcing. Amateurs frequently invert barrels over the roots in the garden, lining to a good depth with fresh horse manure and hastening the crop along considerably abcad of the unprotected.
pretaring the plants.
Rhubarb may be grown from seed or livision of the older plants from the
field. We have previously referred to the methods of some market gardeners who have so systematized the work that roots are always ready for forcing. Sowing seed each year is the method usually depended on. After the ground has been thoroughly prepared in early spring the seed is sown in drills a foot or so apart, the plants are thinned out so those remaining have every opportunity to grow and develop. The following spring these are transplanted three or four feet apart in well manured ground, which in the third or fourth year will be splendid material for forcing. Some have had good success sowing in rows three feet apart in enriched ground, thinning out to remann in the rows until removed for forcing. In other cases three or four year old roots afford the best material.

Under extremely favorable conditions satisfactory roots may be secured in two years and one experiment sta tion reports good success from one year old roots. The market gardener, in growing his roots at a minimum of expense, must study with his practice the most favorable location and general management for producing the necessary supply as rapidly as possible.

## PRETARATION FOR FORCINO.

In the fall before hard freezing com mences, the roots are dug or plowed out and subjected to a good freezing, either in shallow piles in some convenient place or shed. Some straw or litter should be scattered over those roots which are exposed to the changes in the atmosphere. The roots are now in good condition for forcing and whatever the place employed for the purpose, a sufficient amount of soil must be provided to fill all interspaces after the roots are closely set together. Unless the soil is fine, screening should be resorted to; a still furtber layer of several inches should cover the bed. The writer's experience has been mostly confined to forcing under the greenhouse benches This, however, is not practicable when, upon affording means of subduing the light, the heat from the pipes is excluded from the house, and on this account the center benches are usually the only ones available

A ten or twelve-inch board will hold the bed and give sufficient depth. Fre quent waterings are necessary to get the full benefit of the wonderful amount of reserve material stored in the roots to produce stout and plump petioles. One may so arrange the mak ing up of the beds that a continued supply of rhubarb is always on hand, a most desirable condition for the market gardener who supplies a local trade. In miuwinter about six weeks will be


A DISH OF EARLY RHUBARB.
required at an average temperature of $50^{\circ}$ from placing the roots until the rhubarb is ready. After two weeks the best will be gathered and should then be supplemented with the crop from a second bed; thus every two or three weeks a fresh batch of roots should be planted. For wholesale markets the object should be, as far as possible, to have it early when higher prices prevail, as on the approach of spring the price declines.

This problem as a side crop to many market gardeners has not been too well developed; there will be fair profits if the roots can be cheaply grown and the price of 10 cents per pound maintained for a good period. Of course the roots are worthless after forcing, but nevertheless we have found this crop profit able.

Francis Canning.

## Commercial Ferns.

As to what is the most important characteristic in a fern, the following remarks made by John Scott in answer to the question before the New York Florists' Club are of interest to the trade:

There are so many kinds of ferns that it is impossible to cover the subject in an offhand way. We all know that there are a great many ferns suitable for private collections ony; the todeas, for instance, which to grow specially built structures in which to grow them; the adiantums, which are too tender for house plants, but are There are also many or for cut fronds beautiful, such as the gymaogrammes and davallias, but they are not adapted for commercial purposes. It is to the commerclal fern that I shall confine my answer. To my mind, the most valuahle characteristic in a fern is its adaptability to bouse adorn ment, whlch includes its lasting qualities when transferred from the greenhouse to the home. From the grower's and retailer's standpoint, the most valuable characteristic in a fern is its money-making qualities; to be a money-maker it must be a free grower and a free seller, and to be a free seller it must be graceiul, symmetrical and a hardy house plant. In fact, it must have most of the good points of a fern, such as Nephrolepls Scottli has been pronounced to possess by the leading growers and retallers all over this country, and als by the committee of awards of this club.

## New York.

## THE MARKET.

As a result of the cleaning up of last week the market opened on Monday under somewhat better conditions. Products are moving without force, and the general tone of the market is beightened. Prices have not improved in the same proportion and the better grades of stock are still depressed. American Beauty roses are less plentiful; but very little business is being done at better than twenty cents. Bride and Bridesmaid though firmer, command no better prices than quoted for last week. The dull and rainy weather of the second half of last week did much to shorten supply, and was a distinct benefit to the market. Bulbous stock continues to come in in quantities. Jonquils and daffodils are heavy in supply, and something of a rush is noticeable among growers to get the remaining crop in. As a result the best stock is not commanding more than two dollars per hundred. Outside grewn bulbous stock is getting to be quite a factor in the market, but sales are made at very nominal figures. Violets are shortening up and the quality is deteriorating, consequently they move slowly, and are almost unquotable. A few of the growers are nurs-
ing their stocks with a view to figuring in the Easter market, and it is possible they may do so at a profit. Easter plants are putting in an appearance, and appear to sell fairly well. Nearby growers are visited daily by retailers seeking to cover for the holiday season's requirements. The lily problem is quite prominent just now, and becomes every day, with the present condition of the weather, more intricate. Orders have been booked freely at twelve cents per bloom for good quality stock, and the indications are that the market will not be overcrowded. The plantsman is expecting a very good market during the holidays, and it seems more than likely that his expectations will be realized.

Market, March 29.-The market is

L. H. Neubeck.

## (President-rimet Butfalo Florists' Club.

sluggish in tone, with arrivals heavy and difficult to clean up.

## notes.

Mrs. Hyatt, widow of the late T. Burronghs Hyatt, a grower of Winfield, L. I., died March $2 t$ in her 67th year. After her husband's death the business was conducted by her son until September last when, death claiming him, it was continued by the mother. No announcement lias been made as to who will continue the business.

Michael J. Cox, gardener to the wizard, Thomas A. Edison, Llewellyn park, West Orange, N. J., died last Monday, breaking his neck through a fall down stairs at his residence. He leaves a widow and three children.

Charles Millang is receiving some fine Rodocanachi roses from V. Zuber. He has arranged to handle the lily stock of John Mesmer, Newtown, L. I., for Easter, the cut stock to aggregate 20,000, and plants 2,000.

The New York Cut Flower Company has arranged to close at 5 p. m. in future. The New York Cut Flower Exchange will also close at the same hour. Both concerns have hitherto kept open until 6 p . m.

The employes of Sicbrecht \& Son gave an entertainment and dance last Saturday erening in aid of the widow of Paul Beuchel, formerly an employe
of the firm. A substantial sum was realized.

Julius Foehrs Company is sending in beautitul specimens of azaleas in pyramid form. Baby Rambler rose is also coming from the same concern, well gromin and flowerch.

At the celebration of the fortieth anniversary of Tony Pastor's theatrical managership, two express wagons were required to remove the floral tributes to his home.

Dr. TV. L. Britton, director in chief of the Nem Iork Botanical Garden, has returned from a trip to the Bahanas with a collection of about 10,000 specimens.

Henry Ulrich of Woodside, L. I., lost a valuable horse last week. The animal dropped dead near his house, supposedly from heart disease.

Ford Brothers have moved into their new store on Twenty-eighth street, and are open for business there.

The firm of H. M. Schiebler \& Com pany has dissolved. The business will be continued by Mr. Preuss.

## Chicago.

A Quiet Weer.
The past week will go on record as being probably the slowest week of the 1905 season. Last week ended with fairly satisfactory results, but on Monday the market was almost entirely barren of buyers and stock piled up at a rapil rate, the warm weather and the general apathy of the buying public contributing to a heavy oversupply in almost all lines. The local retail trade has been very quiet and the street men cannot begin to keep the surplus mov. ing, even if they do quete prices which should make a carnation ashamed of itself. Carnations, outside of the very best grades are indeed plentiful and price is no consideration as long as the stock can be turned and saved from the dump. Roses are also growing very plentiful, especially the medium American Beauty. Several of the largest growers are now in with the heaviest cuts of the year and the receipts are making themselves felt. Teas are being sacrificed at pathetic figures in order to move them. Some of the best long stemmed Bride and Bridesmaid could be secured at $\$ 25$ per 1,000 and even lower. Bulbous stock is being hard pushed by the sun and the outlook for this line at Easter grows more gloomy. Violets are showing the effects of the spring weather, although some good ones are still seen. Green goods hold a consistent demand.
florists' club spring exhibition.
An exhibition of Easter stock was successfully carried out under the auspices of the Florists' Club, Thursday, March 23 , in conncetion with the regular semi-monthly meeting. A spacious room in Handel hall on Randolph street was secured for the occasion, and under the supervision and management of George Asmns a number of excellent exhibits mere stageal. The attendance, homever, was limited, the weather in the morning being rainy, and this fact no doubt helping to contribute to the limited number of exhibits as wall. What was shown was of exceptional quality.

Interest centered in a display of Pride and Bridesnaid roses, two vases each, shown by Weiland \& Risch. Foreman D. J. Murphy deserves great credit
for the excellence of the stock shown, which was characterized by fine foliage, good stem and splendid color and size of bloom.
The Garfield Park Floral Company sent a miscellaneous collection of Easter stock eml,racing rhododendrous, azaleas primroses, Lilium Harrisii and L. cantidum, Crimson Ramblers and marguerites.
J. Breitmeyer's Sons, Detroit, sent a fine vase of La Detroit roses and snapdragon in a variety of colors. Both received much praise.
E. F. Winterson Company had a neat exhibit showing Easter novelties, ribbon, vases and Boston ferns in 5, 6 and 7 -ineh pots.
Vaughan's Seed Store exhibited a general collection of high grade stock, ineluding box trees, pyramital and conical, azaleas, rhododendrons, Dracæna indivisa, genistas, Baby Ranibler and Boston ferns.
W. N. Rudd, of Mount Greenwood, made a popular hit with a vase of his splendid new pink carnation, Lady Margaret. It is a grand new variety, of fine form, strong stem and pleasing color. It was awarded a certifieate of merit
H. N. Bruns showed lily of the valley of the usual high class Bruns standard.

John E. Haines, of Bethlehem, Pa., sent a vase of his new carnation, John E. Haines, rel, a thing of great merit and popularity.
J. W. Dudley \& Son, Parkersburg, W. Va., shomed potted hydrangeas of a variety of colors, all well grown.

## -STLON

John Zeeh and Mathias Mann have purchased the wholesale business of Miehael Winandy, whose affairs are in the hands of a receiver. The deal takes in the store and fixtures at 51 Wabash avenue, on the second floor of the Atlas building, where the new firm, under the name of Zeeh \& Mann, will conduct a wholesale commission business. They will handle the stock of the Winandy greenhouses and that of Mr. Mann, whose greenhouses are loeated on North Clark street. Both of these gentlemen are well and favorably known to the local trade, Mr. Zeeh having been with some of the leading wholesale commis. sion houses in the city, and until recently employed in the establishment of E. C. Amling. Mr. Mann has condueted a growing business successfully for a number of years.
If the bulbous stock can be held back suceessfully before Easter Sinner Brothers will be among those who will lave ehoieest stock of great variety for that holiday. They Lave been having exeeptional suceess with calla lilies this season. Their tea roses show markerl uniformity of fuality for this season.

Cbarles Mckellar is showing a clnice selection of Easter novelties, including chicks, twig laskets, ete. He recently receiver a large consignment of satin eros-grain ribion so popular with florists several years ago. Gardenias have bern in gron demand locally and Mr. McKellar is handling the bulk of them.

Operations at the Efgehrook range of the Georse Witthold Company are progressing rapilly. Their miscellane, Ms stock of loaster plants is of high :mblaril and Louis Wjtthold states flat carly inquiries from the north side roltit trale indicate a banner Easter

The E. F. Winterson Company have been making a number of important improvements in their offices and store, 49 Wabash avenue. The office has been moved to the north side, thus allowing more room, more light and more convenience.

Albert Fuchs has announeed an auction sale for April 12, when he will dispose ot four greenhouses and a large stock of palms and greenhouse material, pots, ete.
Mrs. L. A. Budlong, sister-in-law of J. A. Budlong, died March 25, aged 72 years. The interment took place at Fose Hill cemetery Tuesday afternoon.
Jacob Geimer, formerly with Peter Reinberg, has taken charge of the M. Winandy greenhouses, now in the hands of a receiver.
I. I. Craig has a nice patch of Dendrobium nobile in full bloom at the Chadwick place on Belmont avenue.
A. L. Randall Company will have a plentiful supply of A1 white lilae for the Easter demand.

Howe \& Taylor Manufacturing Company reports a good market for wire works.

## Philadelphia.

prices have fallen.
Although prices rule uniformly lower in all lines of stoek when compared with those of two weeks ago, it seems to offer no encouragement to buyers, and business is dull, the demand apparently being only for flowers that are considered necessary. H. H. Battles some years ago in speaking of the idea that the masses would buy flowers, if only they could be placed at figures within the reach of everybody, said, that people bought flowers when they wanted them; a few might be tempted by low prices, but not to any extent, and he referred to the violets whish a certain vendor was selling at very low prices on the street, and yet people were passing by in droves, seemingly paying very littlo attention to the low prices he was constantly erying out. Ameriean Beauty roses have taken another drop; $\$ 3$ is now high per dozen, and two dozen may be bought for $\$ 5$. Teas are holding their own at $\$ 10$ for the speeials while very good stock can be found for $\$ 8$. Carnations sell from \$1.50 to \$4, the latter for very choice stock. Violets are getting smaller, particularly the single ones. It is to be hoped the doubles will last until Easter. notes.
Mrs. Otto Thilow was buried on Tuesday afternoon. The H. A. Dreer Comprany's city store and offices, 714 Chestnut street, was closed from 2 to 3 p. m. Mr. Thilow is chief in this deprartment and this action to show their rospect was taken by the firm. Mr. Thilow has the sympathy of the entire trade in his deep atlliction.
At Horticultural hall in the park they have a pretty show of blooming llants consisting mainly of aeaeias and l'rimula obconica. There are some cinurarias, azaleas, ete., arranged with them. The effeet as a whole is showy and attracts many visitors.
The Easter plant growers say that lmsiness promises to be very good as orders are being received daily for their choice stock. Everything appears to be coming along nicely with the exception of the hulloous stock which it is thought will be difficult to hold.
W. K. Harris has several large plants of bougainvillea in full flower which make a magnificent show. They stand about nine feet in height and are a perfeet tower of blossoms.

Godfrey Asehmann is about again after a five weeks' siege with an attack of the grip.

## Boston.

The market has to all appearances reeovered from the slump of the past few weeks, and everything is now selling freely at advanced prices. Carnations show the most pronounced advance, fully 50 per cent, and are selling at from $\$ 3$ to $\$ 4$ per 100. White carnations are especially searee. Roses of all varieties have stiffened up and are selling well at an advance of 25 per cent. Daffodils and all the other varieties of bulbous stock are selling freely, at good average prices. . Violets are holding their own, and Easter lilies are selling well, the supply being taken up each day.

Mrs. A. W. Kidder, of Waltham, has been bringing in some especially fine wall flowers.
H. P. S.

## St. Louis.

Too MUCH stock.
The cut flower market during the past week has been rather overstocked with almost everything. Roses and carnations are plentiful and the prices have been considerably reduced. Bulbous stock which some of the cut flower growers have been trying to keep back in cold frames and storage houses for Easter, must be put on the market, and, as a consequence, everyone who needs anything can get it in quantities at very low prices. Violets are practically over on account of the warm weather. There has been considerable funeral work.

## notes.

The Plant and Cut Flower Growers Association had an interesting and entlusiastie meeting on Wednesday, March 15. They elected fifteen new members and everything promises the perfection of an association which will have considerable influence for the good of the trade in this city. The committee was appointed to confer with and offer the good offices of the club to the committee which has charge of the flower show in behalf of the St . Louis Florists' Club. It was conceded and seems to be well understood that this association is not in conflict with the old club. They are willing to lend a belping hand whenever they can and in return expeet respectful and considcrate treatment from the Florists' Club. At the next meeting Dr. Hal. stead, president, will read a paper on the subject of "Growing Cut Chrysanthemums for Exhibition." The next meeting will be held on April 19 and all growers in this vicinity are cordially invited to attend the meeting.
The greenhouse men are still busy getting their stock ready for spring sales and in many cases the markets have already opened. Tom Carr, Marshall \& Twist and John Wall, at Union Market, have their plant booths in full blast and report trade as very satisfactory. They only hesitate a bit because of the fear of more cold weather.
Dr. Wm. Trelease has returned from his Mexican trip looking hale and
hearty and is full of anecdotes and experiences relative to botanical subjects in Mexico.

Fred Pape, of Pennsylvania avenue, and Schray \& Son are sending quite a lot of good plants to the markets.

## Baltimore.

BUSINESS GOOD DESPITE WEATHER
The cut flower trade for the past week has been fairly active, considering the unpropitious weather conditions some six days out of the seven, and a sullen, damp atmosphere which took pretty much all spirit out of the retail business. One or two thunder storms give evidence that the winter is over, and the few hours of sunshine seem to presage that there will be little gradation from winter to summer, the ther mometer going up beyond $70^{\circ}$. Flowers are more abundant and improve in quality; carnations and violets will soon, apparently, be here in excess, and roses are quite sufficient for all requirements. Some of our neighbors of the City of Brotherly Love, in a spirit which some think does not comport with the name, seem to indicate the condition of the market there by forwarding generous boxes of "free samples" of fine roses, etc., to the stores here, a practice which, naturally, evokes resentment in certain quarters. The mortality lists grow, as is usual at this season, the great and sudden variations in temperature tending to fatal results in pulmonary and bronchial diseases. Nat. urally this increases the calls for funeral offerings. There is some uncertainty yet as to Easter supplies, much complaint existing as to the poor results from the lily and other bulbs. Doubt less, however, as is usual, the event will bring out sufficient for all needs. Saturday night the stocks in hand were pretty well cleared out, and a hopeful feeling prevails that conditions will now improve all around.
S. B.

## Buffalo.

trade continues fair.
Fair weather nearly all last week with continued good trade. The dog show is getting to be a society event in Buffalo aad last week was no exception. Palmer's upper store had a pug dog of violets while Aoderson had a Kussian wolf hound; both animals were very life-like and I am informed that had it not been for the plate glass windows many dog fights would have occurred on Main street.
florists' Club election.
The election and banquet of the No. rists' Club took place at W. E. Kasting's place on Tuesday evening and was well attended. The election resulted as follows: Presilent, L. H. Neubeck; vicepresident, Charles Guen ther; treasurer, Charles H. Keitsch; secretary, W. J. Peake; financial scere tary, Emil Bruecker; executive commit tee, W. F. Kasting, Willian Scott, Sr. George Urban, Jr.

After all business had been transacted all adjourned to the banqnet room where a sumptuous spread was laid out; William Scott, Sr., retiring president, was toastmaster and it is needless to say that the position was ably filled. The speakers were not as numerous as last year, but very inter esting. The brilliancy of being an ama-
teur was ably responded to by George Urban, Jr.; "Art in Horticulture," D. B. Long; "Politics and Flowers," William F. Kasting; "Flower Shows,'" C. H. Keitsch; 'Retail Trade and Attractive Windows,'" W. A. Adams; "'Managing a Big Store," Ed. Slattery; "What a President Should do and Whom I Would Like to Emulate,", L. H. Neubeck; "The Easy Job," Charles Guenther; "Accurate Reports," W. J. Peake; "How to Collect and not Offend," Emil Bruecker; Messrs. Harris and Holmes spoke on our new homes in Buffalo and Mr. Wells on his experience in his new greenhouses.

Prof. Koch's orchestra enlivened the evening with sweet music, and songs by Messrs. Boeller and Keitsch helped to make every one happy.
notes.
Recent contracts of the King Construction Company, of North Tona. wanda, N. Y., include new greenhouses for the following growers: W. J. Palmer \& Son, Lancaster, N. Y.; Wm. Fendley, Brampton, Ont.; P. H. Ryan, Saranac Lake, N. Y.; Hall \& Robertson, Mon• treal, Can.; Alban Harvey \& Son, Brandywine Summit, Pa.; J. H. Dunlop, Toronto, Ont.; D. T. MeCarthy \& Sons, Lockport, N. Y.; The Toronto Floral Company, Davisville, Ont.; P. R. Quiolan \& Company, Syracuse, N. Y.; A. E. Cole, Grimsby, Ont.

Palmer \& Son had fine rose plants on sale at the lower store. Bargain days are still popular, violets in one store and two others selling roses one day at 25 cents and 50 cents per dozen. Bright days work wonders.

George Reichert resigned the management of Byrne Brothers' greenhouses, at Williamsville, N. Y.
J. B. Nilley is managing W. F. Kasting's greenhouses and store in Erie, Pa.

Edward Slattery is now back at work after a severe illness.

Funeral work has been very brisk the last week. Bison.

## New Orleans.

NORTHERN FLOWERS UNSATISFACTORY. Ed. Amehican Florist:-

The undersigned has been requested by the New Orleans Horticultural Socicty to write the following article for publication in your valuable paper, thos affording us assistance in better. ing existing conditions.
C. W. Eichlino.

At a meetlag of the New Orleans Horticultural Soclety a discussion arose as to What redress the receiver of a worthless Most of the florists receive their shipments C. O. D., without the privilege of inspection. la many cases flowers arrive in a damaged condition; the express company collects the money for them aud the receiver is the loser.
Experlence teaches us that when flowers are in a condition for long distance shipment and the proper care is takea in packing, they will arrive in good conditlon and will last in a good reirigerator for several days. Carnations and roses have often been held for a week in salable condition. This proves beyond a doubt that something was Wrong with such flowers that arrive in bad condition with the ice compartment latact. Either the flowers were not long enough io Water hefore shipping or they were too far
advanced when cut. The latter seems to be advaaced when cut. The latter seems to be the trouble and can easily be aroided.
The New Orleans Horticultural Society has takea action on the question. A committee of three was appointed, to whom every case is to be submitted where flowers or plants arrlve in bad condition. The committee will inspect the shipmeat and place
the blame, If possibie, and will assist the
receiver of bad lots to recover his loss, be it partial or whole. The aames of shipper will be brought berore the meetiag and their methods discussed. mopartilits and justice are the principles on which the comconditions act aich great improvemeat of is looked for. is looked for.
A shipper of an honest package canaot reasonably refuse inspection of goods before Beauty arrire with a beautiful American bue, they are ripe for the dump and the shipper of such flowers knew full well how old they were when packed. When the out side petals of Bride and Bridesmaid are de. cayed and the flower opens the moment it is lifted from the bor, it is time to rush it to some charitable institution as a gift, providing it does not drop before it gets there. We know that with carnations there are o aumber of circumstances not altogether within the coatrol or the shippers that may cause the flowers to go to sleep; but in many cases loss can be avoided by careful selec tion for long distance shippiog, and as far as New Orleaas is concerned shippers whll have to be careful in the future if they want to hold and iacrease their trade in the Cresceat City.
New Orleans is a large huyer of cut flowers and relies for its supply eatirely on the north. Not a rose or a carsation is grown in New Orleans. The receiver of a bad lot cannot go to the wholesaler and buy He is eatirely belpless; loses his stock and is unable to supply his trade. These are the conditions that compelled the New Orleans florists to take some action in the matter for mutual iormation and protection. Per soaal hetters to some of the large shippere ises bave har the ship bees made buich adnered to by the shippers, are bound to iacrease thei trade in New orleans.
holds good for hoids good for plant shipments. Express lack of judgment on the part high sud lack of judgmeat on the part of the ship Many a time we mayy a hard earned dollar of $\$ 4$ to $\$ 5$ per 100 pounds on boxe three times their necessary weight boxee halls of beautiful necessary weight and for paper, doubling aad trebling the origlnal cost of the plants. And the plants themselves! How do they compar̃e with the bigh sounding adjectives in the advertlsemeats? Our trade papers are often made the ageats for unscrupulous and frauduleat shippers. It is for such cases that our committee is appointed and no doubt its vigilance will effect an improvement in existiag conditions.

Santa Barbara, Cal.
Robert Armstrong of the El Monte. cito nurseries has been selected as the landscape gardener for the proposed improvements at Ocean Park for the Venice of America" inaugurated by Kinney Brothers, the large wholesale tobacco merchants of the east. The work will require two years' time for completion and will be of the order of Persian gardens. The selection was made after much deliberation, when all the landscape artists of the state werc considered.

## Salt Lake City.

The greenhouses of the Salt Lake Floral Company have been sold to P. E. Law, of Butte, Mont., who will carry on the business as before and grow for the trade.
J. B. Feldman, formerly of the Salt Lake Floral Company, will put up a new range of houses and grow carnations and general plant stock for the trade.

Lima, O.-A new retail store has been opencd here in the Lyode drug house by the Swan Floral Company, of Findlay.

Mafsfield, O.-Fire in the greenhouses of Andres, , Winget on the night of March 12 destroyed much glass and damaged many plants coming into bloom for Easter.

## THE AMERICAN FLORIST <br> THentieth Iear.

Subscription, $\$ 1.00$ a year. To Europe, $\$ 2.00$ Subscriptions accepted only from those in the trade.
Adrertisements, on all except cover pages, Line, Agate; $\$ 1.00$ per inch Cash with Order.

## No Special Position Guaranteed.

Disconnts are allowed only on consecutive Inser cons, as follows-6 times, 5 per cent; 13 times, 10 per cent, 26 times, 20 per cent. 52 times, 30 per cent.
space on front pages and back cover page sold only on yearly contract at $\$ 1.00$ per inch, net. The advertising Department of the American florist is for florists, seedsmen and nurserymen and dealers in wares pertaining to those linesonly Orders tor less than one-half inch space not accepted. Advertisements must reach us by Monday to andertion in the issue or the same week. Address

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> When sending us change of address, always send the old address at the same time.

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The St. Louis Fakir Question.

## Ed. American Florist:-

Will you kindly allow me space in your valuable columns in regard to the so called fakir question $\%$ Your St. Louis correspondent does not exactly understand the situation and $I$ will endeavor to explain, if possible, the real truth of the matter. It is not true that the street vendor buys the leavings. Only a few weeks ago a street vendor was selling violets at 25 cents per bunch at retail and paid 15 cents per bunch, or $\$ 6$ per 1,000 , for them, and bought 5,000 of them. The legitimate florist who purchased at another commission house put up a sign, 15 cents, underselling the street vendor. Now who was the fakir? Only two weeks ago this same vendor bought 12,000 at $\$ 2$ per 1,000 and the store man sold them at 5 cents per bunch. J mention these facts to prove that the street fakir did not undersell the store man. What will the store man gain by fighting bis competitor when he himself is a fakiry The fakir gets sore, will rent hallways, even stores with telephone connections, and the public will help him to get these things, especially. when the store men want to play the hog. The street man will telephone to all the wealthy ladies and let them know where he is at, and when he has a large family he will use his boys for delivery. Strange to say, the street men of St. Louis know how to make up funcral work. The street men sell a quantity of flowers which otherwise never would be sold, and it is to the interest of the growers to see that they get flowers to sell.
C. W. Wors.

## Society of American Florists.

The annual meeting of the executive board will be held at the New Willard hotel, Washington, D. C., on Tuesday, April 4, 1905. Members of the society or others having suggestions to make whereby the usefulness of the organization may be increased and the good of the profession promoted in any of its branches, are cordially invited to send such suggestions in care of the secre tary and they will receive careful attention. Address Wm. J. Stewart, secretary, 11 Hamilton Place, Boston, Mass.

## Meetings Next Week.

Cincinnati, O.-Cincinnati Florists, Society, Jabez Elliott Flower Market Saturday, April 8, at 8 p. m.

Columbus, O.-Columbus Florists Club, Gotschall's hall, Tuesday, April 4.

Detroit, Mich. - Detroit Elorists Club, Cowie building, Farran and Gratiot avenue, Wednesday, April 5, at $8 \mathrm{p} . \mathrm{m}$.
Hamilton, Ont. - Hamilton Gar(leners' and Florists' Club, office of member, Tuesday, April 4, at 8 p. m.

Holyoke, Mass.-Holyoke Horticultural Society, Wednesday, April 5.
Indianapolis, Ind.-State Florists' Association of Indiana, State House, April 4, annual spring show.

Indianapolis, Ind. - State Florists' Association of Indiana, Commercial Club rooms, Tuesday, April 4, at 7:30 p. m.

Louisville, Ky.-The Kentucky Soctety of Elorists, Tuesday, April 4, at 8 p. m.

Manchester, Mass.-North Shore Hor. tienltural Society, Friday, April 7.

## Milwaukee, Wis.-Milwaukee Flo-

 rists' Club, Empire building, West Water and Grand avenue, Tuesday, April 4.Minneapolis, Minn.-Minneapolis Flo rists' Club, Latham's Conservatory, 83 S. Tenth street, Friday, April 7, at 8 p. m.

Montreal, Que.-Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, Monday, April 3.

New Haven, Conn.-New Haven County Horticultural Society, Tuesday, April 4.

New London, Conn.-Eastern Connecticut Horticultural Society, greenhouses of Secretary H. H. Appeldorn, Tuesday, April 4.

Philadelphia, Pa.-Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce, Tuesday, April 4, at $8 \mathrm{p} . \mathrm{m}$.

Pittsburg, Mass.-Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue, Tuesday, April 4, at 8 p. m.
Tuxedo, N. Y.-Tuxedo Horticultural Society, Tuesday, April 4.

Utica, N. Y.-Utica Florists' Club, 183 Genesee street, Thursday, April 6, at $8 \mathrm{p} . \mathrm{m}$.

Washington, D. C.-Washington Florists' Club, Schmidt's hall, 516 Ninth street, N. W., Tuesday, April 4.

## Washington.

## STOCK aCCUMULATES READILY.

There was no marked change in the condition of the market during the past week, excepting possibly that the accumulation of certain stocks was greater than for the previous week. The quantity of American Beauty roses that are in sight, that nobody seems to want, is calculated to put one in the frame of mind of the old toper who wept at the burning of a distillery. Bride, Bridesmaid, Golden Gate and other kinds that can be advantageously used in design work and bunches, move more freely. American Beauty are selling, when they do sell, for whatever the seller can get for them, and that ranges from $\$ 3$ to $\$ 9$ per dozen. The larger stores are holding up the price of Bride and Bridesmaid to from $\$ 2$ to $\$ 3$ per dozen, and they are better worth that money than much that sold in midwinter at higher prices. Virginia violets are "too numerous to mention"' and retailing in the markets at 25 cents per dozen. Daffodils have become a positive nuisance, being offered in the markets at two lozen for 25 cents. There is a fair demand for cut Harrisii and calla lilies, and also for good lilac, but the latter seems to be pretty well cut out. Hydrangaes are appearing, and though yet lacking color, the prospects are that they will show up well for Easter.

## NOTES.

At the Industrial Home school, of which Charles W. Skinner is superintendent, there are several well built greenhouses, and roses, carnations, chrysanthemums, lilies and other stocks are grown. Under the direction of a trained florist, a class of six boys is being taught the rudiments of the business. There has been complaint, which seems unwarranted, from several commercial growers, that they should be hrought in competition with the output of a public institution. Let it rather be
a satisfaction to good citizens, as the commercial growers are, to reflect that these boys are being taught an honorable and useful trade. The florist trade needs more good boys; incidentally, a slight increase in the number of good men would also be beneficial.

Present conditions warrant the statement that, let the others be ever so useful, as a flower for the plain people the carnation is peerless and indced divine. Peter Fisher was recently quoted as saying that, "It is a mystery where all the carnations go to.". I cau tell him. They go everywhere. In the palace of the multi-millionaire, down to the cottage of the humble laborer, the carnation can be found, and when Mr. Fisher gives us that blue carnation which he has promised, I doubt not that it will be welcomed with the others. While carnation prices are somewhat lower on account of the great cut, they move freely and there is no glut.

Wallace W. Kinmel has severed his connection with Geo. H. Cooke's store and at an early date will open a retail store at 1139 Fourteenth street, near Thomas Circle. Having spent most of his life in this city and being proficient in all branches of the business, Mr. Kimmel should be a success.

George H. Cooke had the decoration of the Church of the Covenant for the wedding of Miss Julia Augusta Kellogg to Andrew Y. Bradley, March 25. The decoration was a tasteful arrangement of palms and Harrisii lilies. The bridal bouquet was of Bride roses; the bridesmaid's of white carnations.

Alex. B. Garden has a fine lot of hydrangeas coming in. He has also a house of calla lilies that are hard to beat, and in Enchantress carnations be will compete with anybody.
J. H. Small \& Sons executed several exceptionally fine standing wreaths for the funeral of Col. Manuel de Azpiroz the Mexican ambassador, which occurred March 28.

Fred H. Kramer seems to have an inexhaustible supply of those fine Bridesmaid roses.

Minder Brothers are sending in an extra fine quality of Golden Gate
S. E.

## Providence.

At last we see the beginning of tho end on the violet question. Every grower is falling short on supply, and some have gone so far as to throw out the plants. English are quite poor on all sides, but the single varieties hold good quality with a decrease in size, and noticeably short cut. The price is 50 cents per 100. Carnations are plentiful at 2 cents and roses at 3 to 6 cents. Smilax and asparagus continue in short supply, with hardy ferns high in price and only fair in quality. Business is good.
M.

## SITUATIONS, WANTS, FOR SALE.

## One Cent Per Word.

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## Plant Advs. NOT admitled under this head.

Every paid subscriber to the American Floriat for the year 1905 is entitled to a flve-line WANT ADF. ©ituations only
time during the year.
 ences. Bex 227, care American Flerist.

Slluatlon Wanted-As rose and carnation grower; capable of raking charge of small place; Box 219, care American Florist.
Situation Wantod-By a practical florist; firstclass grower of carnations, robes, 'mums and good designera; single.

G P. MABOOD, Sberman, Tex.
Situatlon Wanted-by first-class gardener and forist; 20 years' experience. Prefer position on private place. Know landscape gardening and greenhouse work. Best references. Address
hos 290 , care american Florist. os 20, care american Florist.

Situation Wanted-By goed florist, single, german. 18 years experience in cut fowers and plicta. Pobition wanted as warking foreman or bection. Good wages expected. $\quad$ Bos 292 , merican Floriat.

Sltuation Wanted-By a practical all-around florist, marrled, age 26; good references; 10 years' experience in all brancbes. Capable of taking charge of small commercial or private place. Bor 293, care American Flerist.

Situatlon Wantod-By competent gardener and llorist or will accept place as coachman on private place er otherwise, in either of the Pacific coast states, where a valuable man is wante
for best of salary. Address
artat Slekiyou St., Station B, Portland Ore.
Hoip Wantod-A Eret-class all-around greenhouse man. Please state age, relerences, etc. J. B. Heiss, Dayton, O.

Holp Wanted-All-around grower. State age, experience and wages espected with references.
-
Help Wanted-Man for ared store, one wbo Hox 294, care American Florist.

Holp Wantod-A young man, single, g good prower of carnations and pot plants of all kind Must be reliable and strictly eober. Address
Wur. MUNDr, Salem, 0.

Holp Wanted-At ance, gaod all-around man o grow plants and cut fowers for retail trade. FRANE H. SMith \& SON, 57 Vermaliton St, Denville, Ill.

Holp Wantod-Good grower of carnations, roses mums and general bedding stock. Sober and reliable. 835.00 fer month sand board
B. B. Mialr, Charleveis, Mich.

Heip Wanted-Experieaced grower of roses, curastions and general stock for retail trade. Good wages to scber, reliable man. Address M. M. Sthong, Sioux Falls, S. Dak.

Holp Wanted-Seotion foreman for carnations. State wages wanted wibout board, , age and referencer. Addrees

Holp Wantod-A young florist who is a good worker and has same years' experience in growing cut riors an box 91 care

Hoip Wanted-Twa llorist girle, two men, Aprll 15. Must thoruughly underatand store work. 5end references, wages. Address
lmperial Floriat Company, Minnespolis, Minn.
Halp Wanted-First-class cut flower worker and desigoer. Also a good decorator and clerk in high class flower btore. Must give referedce.
FRed fiadet, 2 W W. Jefferson St., Louisqille, Ky.

Help Wanted-Single man understanding growing vegetabies and rases; no glass. Winter will furoish ather work; by year 82600 per month and bard. Send references in first letter.

Borden Stock Farm, Tonti, Ill.
Holp Wanted-At once; all-around florist; Lrawer of first class roses and carnations: strictly
gober and industrious. Good wazes Basf on place. Give age and references. Addrese Boy 9.6, care Americen Florist.

Help Wanted-Gaod rellable man for general greeuhouse work; must be sober and a good required. Stateageand nationality. References

Help Wanted-Young man for general greenhaube work; commercial place: steady job and good bome; state age, experience, where last employed and wages per month with board.

Geo. S. Belding, Middletown, N. Y.
Help Wanted-A goed man that has had aome experience in greenhouse work. \$55. 0 per month whth boerd and room or 810.00 with room only. Address C. Frauenfelder,

1602 W . Madisou St., Chicsgo.

Help Wanted-A young lady or gentleman who understands the cut Rower business, in our retaj department. Must be geod on all fleral worl HOGE SEATOGR

Halp Wanted-A good grower of roses, carna plants. Must be sober and good corker State \&ge, experience ood wages expected with refer ebces. Address
sunniside Greenhousea, Owosso, Mich
Wantod-Second-bsad iron frame greenhouse, not more than 19 feet wide. Must be in good condition. State size of glass and full particulars.
Box 126 . Beaver, Beaver Co., Pa

For Sale-A well stocked greeohouse for $\$ 750$ Wh Ballard, Perry, Jows.
For Sale-A good business, in a fine town Doesn't requires fortune. Investigate. Addres os 221, care Americen Florist.

For Sale-Coil boiler, 25 pipes, 4 ft . long, 1 H uch, at $\$ 15.00$. Address

d. Wr

For Saie-20t 0 feet, 3 -inch, second-band cast iroa greenhouse pipein good condilion atio perfi George Reinbehe, 30I Balmoral Ave., Chicago.

For Salo-Cheap, a gaod paying florist business well established, in San Antodio, Texas. Fide opening bere for an up-to-date Horist. Addres

Mrg. S Maferick, San Antouie, Texas.
For Salo - 35,000 feet, 4 -inch cest-iron pipe, 5 foot lengths and fittinga; 564 -inch gate valves
 imported plass; pets all sizes. Address

For Salo-Owing to the death of the proprietor, the areeuhouses and stock of the Lase Genev A good opening for a practical man.
W. H. Hammersley, Lake Geneva, Wis

For Sale-Greenbouses and retail store in Gal veston, Tex. Owing to illness Will dispese of a good business at a reasonable rate. Have warked up a fine trade and the possibilities are unlimited. Full particulars may be bad by addressing
Box $\mathbf{j 7 5}$, care American Florist.

30x 575 , care Americsa Fioriat.
 5 p per ft. i 400 ft . 2-inch 7 c . 230 ft . 3-inch 5 fc ;
threaded and coupled, good as new Also a quanthreaded and coupled, good as new Also a quan-
tity of miscellaneous cast iron fittings two years tity of miscellaneous cast iron fit
old, at 70 percent of store prices.
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For Salo or Loese-An exceptional bargain for right party; greenhouses with $8,0 c 0$ square feet of glass. Hot-water beating plant with practically new boilers. $2 y$ acres of good land in flne location. Well established businees in full operation Apply to
 18363. INs $142,20 \times 162$, boller room $18 \times 60$, equipped with No. 8 Furman bollor, and small heater: large mushroom cellar, stable about two acres of ground; dwelling for rent in immediate neighbor heod; coal, urnure, labor cheap, city water; Do steck oo haod. Reut $\$ 300$ per anoum, baif payable in savance every els mono from hetich o business: principally vegerables under glass and mushrooms for Wastington and New York Henry Tratl, Frederick, Md.

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Mr. H. I. Faust has grown this variety in quantity, several houses each year, for several years, and has, with difflculty been induced to part with it.

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MR. W. P. CRAfG, 1805 Filbert Sireet, Philadelphia
MR. W. P. CRAIG, 1305 Filbert, Sireet, Philadelphia. success, and the flowers arrived at destination in the best of shape. It is a good keeper; hais good stiff stem, and good form, being pure white. We feel it is a very valuable addition to the Chrysanthemum market as a commercial variety,

SAMUELS. PENNOCK.
The above letter from "The Wholestle Florist of Pliladelphia," who has haudled this variety for several years needs no further comment, nor do the following:
MR. W. P. CRAIG. 1305 Fiblert Street, Philadelphia, Pa.
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to the the best late white. The color is so pure, and the straight tough pliable stem does not weaken. as is the case with so many, late oues. We have kept flowers two weeks which still looked presentable. We are glad that Mr. Fibust consented to send it out this season and believe it will become the standsrd late white. Yours truly,

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| Milwaukee, March 99. |  |
| :---: | :---: |
|  | 2.000300 |
| sh |  |
| Liberty | 6.00@12.00 |
| " Chatonay | 6.00@ 800 |
| Bride, Bridesmaid | 6.00@800 |
| " Meteor, Golden Gat | . 300 @ 8.00 |
| Perle | $3.00 @ 600$ |
| Carnations | $1.50 ¢ 3.00$ |
| Smilax. | 12.50@15.00 |
| Asparagus spar | 200 |
| Valley. | 300 |
| Adiantu | 1.50 |
| Violets | 5003.75 |
| Callas | $800 \bigcirc 1000$ |
| Romans, Pap | 300 |
| Harrisil. | @12.50 |
| Tulips, Daffodi | 300 |
| PI |  |
| Rosea, Beauty, extras. | 180092500 |
|  | . 8.0001200 |
| " " ordinar | 300015.00 |
| * Bride, Bridesmaid | . 3,00イ1200 |
| Meteor. | ... 60008.00 |
| Libertie | 8.00@1500 |
| * Perle, Chatenay | 3.00@3 800 |
| Cardations | 1.01 ras 300 |
| Lily of the valley | 3.000400 |
| Smilax | 12.50@15.00 |
| Asparagus, string | 2500 @ 50.0 |
| Aaparagua Sprenge | 2.0 @ 300 |
| Lilies.. | 600@1200 |
| Adiantum | 1.100. 1.50 |
| Mignonette | 100 as. 300 |
| Daffodila | 200 (1) 3.00 |
| Cincinnati, March 39. <br> koses, Beauty. per doz....1.00@ 4.00 |  |
|  |  |
| " Bride, Bridesmaid. | ... 4.000 8.C0 |
| " Liberty........ | 6.00@10.00 |
| Meteor, Golden Gate | . 4.00 (a) 8.00 |
| Carnations. | . 1.50 m 3.00 |
| Lily of the valley | 3.0006400 |
| Asparagua. | 5000 |
| Smilax.. | 12.50015.00 |
| Adisntum | . 1.00@1.50 |
| Callas. | 10.00 |
| Asparagus lolumosus and Spre | angeri |
| in bunches.........25c per | bunch |
| rriail |  |
| Vomets | .50@ .70 |
| St. Loule, March 29. |  |
| Roses, Beauty, long stem.... | 3.00163 .00 |
| " " medium stem | 1.50\%2.00 |
| sbort stem. | . $50 \sqrt{6} 1.00$ |
| Bride, Bridesmaid. | ... 4.0006 .00 |
| Liberty. | 4.000. 6.00 |
| Kaiserin | . 4.0006 .00 |
| Uarnations. | 1.ro@ 3.00 |
| Smilar... | 12.50 m 15.00 |
| Asparagus Spreager | $1.50 \mathrm{~m}, 300$ |
| Plumosua. | $25.00 \times 500.00$ |
| Ferns, fancy.......... per 1000, 200 |  |
| Adiantum. | . 1.00@1.25 |
| Vlolete, California | . 25 (18 $\quad .40$ |
| Double |  |
| Lily of the valley | 2.00083 .00 |
| Romena. | 2.000300 |
| Callas | $8.00 \bigcirc 10.00$ |
| Paper Wbite ararc | 3.00 |
| Clevelami, March 29. |  |
| Roses, Beauty, per doz....... .75@ 4.00 |  |
| Bride, Brideamaid. | 3.00@ 8.00 |
| Mete | . 3.00 mb 8.00 |
| Carastions | . ... 10001034.00 |
| Smilax...... . . . . . . . . . . . . . . . . . . . . . . . 10.00 .0.15.00 |  |
| Asparagus, strings. ................ . 25.000 (150.00 |  |
|  |  |
|  |  |
| Violets, slople............................................................. 1.00 |  |
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WILLIAM L. ROCK FLOWER CO.
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 SONSCor. MIAMI and CRATIOT AVES. DETROIT, MICH.
Artistic Designs. . \% Now High Grade Cut Blooms.

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## P. J. HAUSWIRTH Auditorium Annex,

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THE LEADING FLORISTS OF THE N. W.
Ordere will be well cared for anywhere in
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Corner Wabash Ave. and Monroe St. CHICACO.
Orders for Wedding Decorations, Receptions, Funeral Designs and Cut Flowers and Plants in evory shape executed with care and despatch. Leading Chicago Retaller.

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CHAS. CHADWICK, COR. FULTON \& LAGRAVE,
Grand Rapids, Mich. WHOLESALE and RETAIL FLORIST, High-Grade Cut Blooms. Carnations, Roses, 'Mums, Violets, Etc. Choice American Beauties a Specialty.

Artistic Designs on Short Notice.
Good Shipping Facilities to all Michigan Poinls.
-a trial order solicited. -

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 SAVANNAH, GA.Daper White Narcissus and Roman Hyacinths.
$\$ 2.00$ per hundred, in any quantity,
Long Distance Telephone Connections.

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Cul Flowers, Floral Designs, Decorations. Telephone 1087. All mail, telegraph or telephoze orders promptly and artistically flled.

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Deulsche Gartine Zeitung
The most widely clroulated German gardenlag jourdal, treating of all departments of horticulture and florioulture. Numerous eminent correspondents in Bll parts of the world. An sdvertising medium of the highest class.

Moller's Deutsche Gartner Zeltung Is publlshed weekly and riohly illustrated. Subacription $\$ 3.00$ per annum, including postage. Sample ooples free.
LUDVIG MOLLER, Erturt, Germany.


## Circulation

which Circulates

The actual paid circulation of the American Florist is, we believe, the largest in its class. The contents are of real present valise and are preserved for reference. Advertisers
who use regularly our columns establish permanent business with the best trade in the United States.

## A Daily Shipment From 40 to 60 Growers

ENABLES US TO SAY "we can and WILL FILL your cUT FLOWER WANTS TO ADVANTAGE."

Store open Irom $7 \mathrm{a} . \mathrm{m}$. to 7 p . m. on week days and 7 a . m. to t p. m. on Sundays.
We carry the most
Complets Line of General Florisis' Suppliss in the West. Illustrated Calalogue rese. Telegraphat our expsnss lor latest quolalions on any cut Flows
plies.

Specials for the Coming Week:
FANCY HUDSON RIVER DOUBLE VIOLETS. HOME-GROWN SINCLE VIOLETS. Pink and White and White SWEET PEAS. Extra Fine Single JONQUILS.

We are Manufacturers of "PERFECT SHAPE" Brand Wire Work, Used generally by Florists who want "Frames that will Stand Up." Illustrated list with discounts free.

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For Week of March 30th to April 3rd.
Roses. Per dozen.
Americsn Beauty, 30 to 36 ios.... $\$ 200$ to $\$ 400$

| 24 inches...... | 2.00 |
| :--- | :--- |
| 20 | 1.50 |

20 inches..... 1.50
$\begin{array}{lr}15 \text { inches..... } & 1.00 \\ 12 \text { inches..... } & .75\end{array}$
Short............ . 50 to .75 Bride, Bridesmaid, Gste. ........... 3.00 to 6.00 Roses, Our Selection.................. 2.00 to 400 Chatenay............................... 4.00 to 8.00 Frney................................... Per 100 Good Average. 1.50 to 200 Fair Stock, for bargainsales (Our Selection) Per $1000, \$ 10.60$
Violets.
$2 . \mathrm{CO}$ to 3.00
Callas....

Tulips, Daffodils............................. 2.6 to 4.00 Sweet Peas............................... .75 to l.f0
 Asparagus plumosus, per striog . 25 to .50 Asparagus Plum. Sprays, per 100.. 200 to 5.10 Common Ferns per 1000 per $100 \ldots . .200$ to 5.00 Gslax Leaves, Bronze. per 1000.
Green Leucotboe Sprays, per 100, .75; Red, 1.00
Adiantum........................... 1.00 to 1.25
Sonquils...... .............................. 5.00 per 10.00
All prices subject to change without notice.


# My Specialties For <br> EASTER Everything in Fancy Cut Flowers. ORCHIDS A SPECIALTY. 

Fancy Valley, Violets, Beauties, Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.
A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand.

Also a fine line of Novellies in Florists' Supplies.
If you want tho BEST at any TIme, or all the Time, aend to

## EASTER NOVELTIES.

1 quote the following goods for immediate shipment, clean fresh stock just io:
Easter Chioks. fancy imported, doz., $\$ 3.00$. "t "1 " Easter Ducks, rancy imported, doz., 3.00 (20, Cotton Chicks and Ducks, 25c to $\$ 1.00$ doz
 Water-proo Common Crepe, all colors, T5c doz. Easter Ribhons, inest quality satin, per bolt, No. 5 No. 7 No. 9 No 12 No. 16 No. 22 No. 40 No. 60 $45 \mathrm{c} \quad 550 \quad 65 \mathrm{c} \quad 85 \mathrm{c}$ \$1.00 $\quad \$ 1.10 \quad 81.25 \quad \$ 1.50$ Raby Ribbons, all colors, per doz. spls., 84.00 . Yiolet Cords, from 50 c to $\$ 1.50$ doz. $V$ iolet Ribhon Ties, from 55 c to $\$ 2.00$ doz. Crepe Paper Pot Covers, 50 c to 82.00 doz . Match-Sticks, 6-inch, 50 c ; 12 -inch, 75 c ; 18 inch, $\$ 1.00$ per M .
Fancy part Corsage Pins. assorted colors, Violet Hampers.
Cycas Leaves, Ass't, 24 to 43-inch, per 100, \$12.
 noves very taest quar doz per doz.......................00
Nest best grade, per Secoods for decorating, per doz........ 8.00 Folding Enille Birds, per doz., \$1; No. 2, 7-in. 81.25 ; No, 3, 9-in. $\$ 1.75$ doz. Violet Tin Fonl, per lb., 35c; 3 lbs., $\$ 1.00 ; 100$ 1hs. $8: 25.00$.
full line of all other supplies, Wire Designs, Sheaves, Baskets, etc.

## CHAS. W. McKELLAR, <br> Long Distance Phons. Central 3598. <br> 51 Wabash Ave., CHICAGO.

##  CHICAGO.

 WHOLESALE CUT FLOWERS. —CURRENT PRICES. SUBJECT TO CHANGE.——AMERICAN BEAUTY.
Per doz.

ROSES.
Bride end Mald..
Moloor and Cate.
Llberty.
CARNATIONS-Good stock .............
" Large and fanoy.
4.00 to 88.60
4.00 to 8.60
6.00 to $\quad 10.00$
1.50
3.00

# KENNICOTT BROS. COMPANY 

Our reputalion has always ${ }_{\mathrm{a}}^{*}$ been thal we fill orders when others lall. All stock in season al Lowest Markel Rates.

## The Seed Trade.

## AMERICAN SEED TRADE ASSOCIATION.

Chas. N. Page, Dus Moines, Ia., Pres.; L. L. May, St. Pan, Minu, First Yice-Pres.; C. E. Kendel, Cleveland, O., See yand Treas. andria Bay, N. 亡̌., June $20-22,1905$.

Seedsmen continue exceedingly busy.
Potatoes sold as low as 20 cents in Chicago this week.
Chicago.-Mrs. L. A. Budloug died March 25, aged 72 years.
Visited Chicago.-A. L. Rogers, of Rogers Brothers, Chaumont, N. Y.
Ottana, Ont.-The next annual meeting of the Canadian Seed Growers' Association will probably be held in this city nest June.
Onion Sets have eased considerably, the holders of poer keeping stocks being very anxious to move them before there is much warm weather.
Philadelphia, Pa.-All the unpaid book accounts belonging to the estate of D. Landreth \& Sons in bankruptey will be sold at public sale April 5, at 12 o'clock noon, room 201, Bourse building.

## Los Angeles, Cal.

Business with seedsmen is exceptionally good. It is said that the rains will double the acreage of alfalfa sown.
It is understood that Heary Albers has purchased an interest in the Johnsen \& Musser Seed Company.
John Lewis Childs, of Fleral Park, N. Y., left with family for home last week.
Theodere Payne is moving to 416 W . Seventh street.

## Ollioules, France.

March 2.-We have had the much desired drenching rains. For eight days the rains came down almost continually and consequently will be of considerable mement regarding this year's bulb crop. The probabilities are that hyacinths, Narcissus grandifora and N. Trumpet Major will be considerably cheaper than last year. Freesias, however, are quite apt to be higher than last year on account of the cold weather in January.
There was a strike here in one of the largest of the flower export houses, the girl flower designers having struck fer larger wages. An early compromise settled the matter to the satisfaction of both partics.
Although the immortelle seasen is over and all the stocks are closed out, there is still a great demand for the same, Farticularly from England and America.
rupert.

## 3,700 ACRES OF GARDEN SEEDS in Cultivation.

Braslan Seed Growers Co,
Wholesale Seed Growers.
SAN JOSE, CALIFORNIA.

## Underpaid Postage.

United States consuls are constantly calling attention to the importance of putting the proper ameunt of postage on letters sent to fercign parts. "It seems,' says one writer calling attention to the prevailing carelessness of the American people, particularly business men, iu this connection, "that our people do not fully realize that the postage to foreign countries is 5 cents for each half eunce or fraction thereof, and not 2 cents for each ounce or fraction thereof. The sending of letters at lecal rates te Canada, Mexico, Cuba, etc., has greatly increased the liability to stanp letters for all other countries at the same rate.'

The same writer thinks it would be a geod idea to have "the letters upon which the postage has not been paid in full returned to the sender." It might be a geed plan; but it may be best for all concerned to have their attention called to the actual conditions under which letters are now carried. Parties who are so careless as to have their letters sent with insufficient postage must not be surprised if the letters are returned, or, when net returned, if answers never come.

It not infrequently happens that the letter, when read, is relegated to the wastebasket by an exasperated merchant or manufacturer. It indicates a degree of carelessness that leads foreign business men to believe it best to avoid dealings with those whe do it.

## Legal.

SEED CORN CONTRACT DECISION.
We are indebted to the J. C. Robinson Seed Company, of Waterloo, Neb.; for the following particulars cencerning their seed corn contract suit with Ed. Stricklin:

This was an action In replevin brought in the District Court of Sarpy county, by J. C.

Robinson, against Ed Stricklin to recover possession of a quantity of seed corn grown by the defendant, Stricklin, on land In Sarpy county under a contract with the plaintIff.
The contract under which this was grown was of the usual form that had been in use for several years by the plaintiff. It is customary in such contracts for the contractor to furnish the planting stock. In this particular case Stricklin grew a crop of the same varleties of corn the previous year, and same proving profitable he asked for an increased acreage the next season. He therefore selected seed under instruction of Roh inson to plant the acreage desired, and to avoid a haul of some cen miles he retalned the seed at nome. This seed planted about wo-thiras of the desired acreage, and the est was furnished by Rohinson.
When the crop was matured and ready for delivery the price on sweet corn had ad cured sacks from Rowinson to in and eecure sacks from robinson to deliver his crop, and apparentiy was not aware of any day he obtaind hls sacts cor be the day he obtained his sacks, when he overhome he decided that he must have more moner for his corn and demanded of Robinmoney for his corn and demanded of Robinwhla very material advance in the price and sold his corn. Robinson learning of this and sold his corn. Robinson learning of this for shlpment, and replevined the car
The defendant in the case based his title to the property largely upon the fact that the planting stock was seed that he carried over himself. The court held that the conover himself. The court held that the conand title to the corn grown would not pass from the defendant to the plalntiff until some further act had been performed in resation to same. The court also held that the contract is void for the reason that no sale can be made of property not In existence; and furthermore, that as the contract recited that a certain standard must he attained by the crops before they would become of a quality called for in the contract. It was not proven that the crop as grown was all of the quality demanded under the contract, and if any of such quality, no separation had been made of the two qualities. In short, the court held that sumcient title had not been shown in the property to warrant action of replevin, at the same time refusing to pass on the polnt as to whether the plaintiff could have recovered an action for damage had the case been brought for damage instead of geods being replevined. In fact, the matter is left open in such a way that it would appear that an action for damage would hold as against a judgment rendered the defendant.

# LAWN GRASS SEED ${ }^{\text {ind fink }}$ id <br> Dickinsons, Evergreen, and Pine Tree Brands 

SPECIAL MIXTURES SEED FORGOLEGROUNDS
MINNEAPOLIS
the albert dickinson co.
chicago
Aug. Rhotert, Importer, 26 Rarclay St, New York.
CHOICEST EARLY and LATE FORCING LILY of the VALLEY PIPS.
 HANSA

## SUMMER FLOWERING BULBS.

CALADIUM ESCULENTUM.
All snund bullos with live center shoots.

## ETBEROSES.

Dwarf Pearl, first-chass, strong bulbs, per 100 , 41.00; pari i000, 78.00 .

Dwarf Pearl, Iuediunsize, per 100, 60c; 1er 1000, *
Armsiroad's Everblamiag, fine for cut flow-


## GROW New ASTER <br> Kate Lock <br> And it speaks for itself. HAS BEEN GROWN 48 INCHES HIGH <br> Blooms 5 to 6 inches in diameter with very full centers, stems 36 to 40 inches. Shown at elargest exhibitions in Canada, tsking everything before it. Colors, White, Daybreak and mixed, 200 per 100 beeds. N't Originalor, J. H. LOCK, TORAnchesler Ave.,  Please mention the American Florist when writing <br> Seed Bags

## FOR THE TRADE

We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.
——THE——
Brown Bag Filling Machine Co. FITCHBURG, MASS.

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1904 NEW CROP
Asparagus Seed
Per 100 Per 1000
Plumosue Nanus ... $8.55 \quad 84.00$
Robustus
Sprengerl......................... . . 15 . 1.00
We are headquartera for all the best flower seeds; 100 page catalogue free.
Moore \& Simon, sood 207 Merket St., PHILADELPHIA, PA. Please mention the A merican Flortst when writing.

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 SEEDSPhiladelphia.
Wholesale Price List for Florists and Market Gardeners.

Alfred J. Brown Seed Cor
-Growere of-

## garden PEAS and beans

For the Wholesale Trade
Grand Rapids, - Mich.
Please mention the American Florist when writing.

## SEED GROWERS

Flold, Swset and Pop Corn, Cuoumber, Mslon and Squash Seed.
Write us before plaging contrants. We bave uperlor etock seed and can furalish you good seed at reasonable prices. Addreas
A. A. BERRY SEED COMPANY, CLARINDA, IOWA.

Milmauree, Wis.-Joseph E. Pollworth, secretary-treasurer of the C.C. Pollworth Company, will be married April 3 to Miss Alma G. Yahr, daughter of F. T. Yahr, president of the Yabr $\&$ Lange Drug Company.

# BERMUDA Harrisii Bulbs 

 THE "SEMPER IDEN" BRAND.I am now booking orders for July and August delivery. Prices on Application. $* * *$

## ChaS. A. V. FRITH, HAMILTON, BERMUDA.

## CARL BECK \& CO.

SEED MERCHAKTS AND SEED GROWERS. QUEDLINBURG, (Germany.) Mangel Wurzel and Sugar Beet Seeds A SPECIALTY.
We offer an lmmense stook of all seeds at moderate prices to the tradeonly. General Catalogues free on application. Englisb Correspondence.
SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND.
—Tolegram Address: SAMENEXPORT, Quedilnburg.-

## Van Zanten Brothers,

royal netherlands bulb nurserles and export trade HILLEGOM, HOLLAHD.

Wholesale growers of the leading sorts of BYACINTHS, TULIPS, NARCISSUS, LKUCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHITE GR., ETC. Ask quotations from our traveler

## MR. G. HYLKEMA,

Care ol Messrs. Maltus \& Ware, 136 Water Sl., New York.
Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

## LEONARD

Write for Prioes. We ARE HEADQUARTERS for $\square E D D$ Flower Soeds
and
Bulbs ONION SETS. $\begin{gathered}\text { and } \\ \text { Bulbs }\end{gathered}$

## WHOLESALE <br> SEED GRONERS

Seeds for present requirements ready to sblp, Contract orders for delivery after barvest 1905 Gerden Seeds. White For Prices. CHICAGO.

## Peacock's Dahlias.

Send for beautifully illustrated descriptive catalogue and trade list for 1905, Now Ready,
L. K. PEACOCK, Inc.,

Atco, N. J.

## The NurseryTrade

AMERICAN ASSOCIATION OF NURSERYMEN.

'1hirtieth annand convontion, West Baiden
prings, Ind., June $14-16, \mathrm{~J} 90 \mathrm{z}$.

We are in receipt of the new law of March 3, 1905, prohibiting the importation of insect pests and will reproduce same in an early issue.

The street merchant is blossoming in the nursery trade in New York city. An elaborate front is made by one on West Broadmay near Barclay strect, with an amning bearing the sign, "New York and Holland Nursery Company,'

Rutherford, N. J.
The new eatalogue just issued by Bobbink \& Atkins, is encyclopredic in character. Its 104 pages, with closely printed descriptions, and fine halftone engravings, reflect much credit on its compilers, who emphasize the fact that the catalogue is compiled entirely from the stock to be found in their nurseries and stores. The firm is very busy just now having commenced digging for the filling of orders. They have made their usual preparations for Easter, and their stock is looking fine, spirea, azaleas and rhododendrons in particular. Their tub factory is running at its utmost capacity to fill orders.

## Augusta, Ga.

The commercial peach growers in central Georgia will have a busy time from June 1 to August 1, as the majority of orchards now show a prospect of a heary yield. In some of the nortbern sections of the state the peach crop was badly injured by the February freeze. Owing to the intense cold and heavy rains during the middle of February, nearly all nursery work has been delayed, but fortunately the season is retarded and the weather is ideal for planting.

The florists report an excellent season's business, the demand for eut flowers being greater than the supply. The lemand for hardy ornamental shrubs, trees and plants has increased wonderfully
Landscape work is being extensively done. The P. J. Berckmans Company has some large landscape contracts for this fall.
B.

American Association of Nurserymen
The following notice is being circulated by the Alabama Nursery Com pany, of Huntsville, Alabama:
The American Assoclation of Nurserymen expects to hold its thirtleth annual convention at the West Baden Springs hotel, Weat
Badea, Ind., June 14, 15, 16,1905 . Every nurgeryman In Amerlca is ellgible for memberghip. You should join, attend the to West Baden, you whll recelve the badge hook and annual report which lo aent to all
members. These books contaln the names members. These books contain the names report or the meetlag, lacluding the diacuaalons, etc., and advertisementa of those who Wish to buy or sell; \$2 sent to George you to membership. Do it Dow.

The United States Department of Agrlculture will send George T. Moore to this convention, to tell us how we can get at the
plant food in the atmosphere and use it in plant food in the atmosphere and use it in our business, and will also send George Hedgcock who will tell us about crown gall.
Mr. Hedgcock is probahly the best posted man in the country on this particular oubject, which means dollars to the nurserymen. A great ourseryman in one of our
western states to whom we wrote asking western states to whom we wrote asking ahout Mr. Hedgcock, says: "He is a square man, gensible and practical, and we can tel you that he is going to knock the wind out of these crown gall professors. If ho needed a guarantee we would make it. In brief, he has found out that it is all a false alarm about crown gall being lnfectious.
We are fortunate in having an Amertcan government with which to work. Through the government we are able to secure the and George S. Hedgcock. Every live nurseryand George S. Hedgcock. Every ive nurseryman in
We understand the West Baden Springs hotel to be one of the finest, most comfort able in the country. More than a thousand guests can boviar with alo ime. Every cold water: rates as low as $\$ 250$ por day In the immediate neighborbood there are many other hotelg and boarding houses mane accommodations can be had at $\$ 1$ to $\$ 2$ per day.
bity miles. Cinest Baded to Loul cighty miles, Cincinati, 149 miles; St it seems the best place for an interesting meeting the association has known, becauss there we will be away from the distractions of a great city; the convention will be the principal thing. We should be able to do business and learn how at the same time.

## ROSES

We have a surplus of the rollowing varieties, 2 years old, on their own roots.
Write for prices.

Wm. C. Egan
Climblig Clothllde Soupert
And the Wichuraiana Hybrids
Robort Cralg
Edwin Lonsdale
HOOPES BROS. \& THOMAS, Maple Avenue Nurserles.
WEST CHESTER, PA.

## Hardy Roses.

We have an extra fine large stock ROSA LUCIDA
ROSA LUCIDA ALBA (very fine) ROSA SETIGERA
ROSA DAWSON
SEND FOR CATALOGOE AND PRICES.

## EASTERN NURSERIES; <br> M. M. DAWSON, Manager

 JAMAICA PLAINS. MASS.
## Tottenham Nurseries, tro.

Established 1872.

## A. M. C. VAN DER ELST, Managing Dlrector.

## Dedemsvaart,

(Holland.)
Headquarters for Hardy Perenniala ramong which are the latest and choicest) 13 acres devoted ior growing this line as Aoemone, Aster, Campanula, Delphinium, Fuabia Hemerocallis, Hepatica, Incarvillea, Iris, Peonies, Phlox decussata, and sufruticosa. Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferns. Also 5 acres Daffodils, 12 acres Codifers, (apecially Rhododendrens (also the best America a and Alpine varieties) 2 acres Hydraogeas. We make Alpine varieties), 2 acres Hycraogeas. We make lines. Ask for catalogue.
Please mention the A merican Florist when writing-


Please mention the A merican Florist when writing.

## PIN OAKS <br> MAGNIFICENT STOCK. LOW PRICES. <br> ANDORRA NURSERIES, WM. WARNER HARPER, Prop. <br> CHESTNUT HILE,

CALIFORNIA PRIVET CHEAP
100,000 well grown plants, 3 to 4 feet, eelected, $\$ 4.00$ per 100: $\$ 25.00$ per 1000. $21 / 9$ to 33 feet, 7 or
mors branches, 82.50 per 100: $\$ 17.50$ per $1000 \cdot 20$ to mors branches, 82.50 per 100: 817.50 per 1000; 20 to
30 in., 5 or more branches, 82.00 per $100 ; 813.00$ per 1000. 18 to 24 in. light, 2 years, 3 or more branches, 81.50 per 100,8700 per 1000 . All of the above hoxgd, f. o. b. here. For oar or large lots writa before plasing your orders.

CHAS. BLACK, Htghtstown, N. J.
Please mention the A merican Florist when writing.

## W. van Kleef \& Sons, Wholesale Crowers of all kinds NURSERY STOCK. <br> BOSKOOP, <br> HOLLAND,

 inspeot our nurseries when in Europe. No agents. Please mention the A mer ican Flor ist when zoriting.
## Beautiful Grounds.

An llustrated Manusl containing euggeatlons on Lawn Making, Planting and oars of Shrube and Trees, with names and descriptiona of varleties hardy and of merit. Also information regardlng La ndaoape Plana, Topographical Surpeys, atc. A book you will often re
to-dry. Free on application.

Peterson Nursery, 503 W. Pelerson Ave., Chlcago. Please mention the A merican Florist when writing.
 field-grown Parls de Marly, importe
delivery. Let us appraige your wanta.
AUGUST RÖLKER \& SONS, 31 Barclay SI., NEW YORK, P. O. Box 752.

Fillid Crown
Hybrid Perpetual Roses IN ASSORTMENT.
Also Baltimore Belle, Prairie Queen, Dorothy Perkina, Universal Favorite.

Surplus of Large Flowering Clematis.
Big Stock of ORNAMENTAL TREES, SHRUBS and VINES.


## 700,000 Cal. Privet <br> Per 1001000

3 yrs, , 21/3 to $3 \mathrm{ft} .$, extra beavy
 3 yrs., 18 to 24 ln. yrs., 12 to 18 in., 4 to 8 branches........ 150 yrs., $3 y$ to 4 tt., very beavy............ $3000^{55} 00$
 2 yrs., 2\% to 3 ft., well branched....... 2.251800 2 yrs., 2 to $21 / \mathrm{g}$ f., 3 to 6 branches........ $1.50{ }_{10} 1000$
 1 yr., 14 to 20 in., 2 to 4 "........ 1.2580000
 Cuttings, strong...........................
All the above plants bave been transplanted and cut back except one year, which makes them and cut back except one year, which makes them over, will write and get better rates.
River View Nurseries d. H. O'HACAN.
LITTLE SILVER, N. J.

Please mention the American Florist when writing.

## TREES <br> Frolt Treea, Small Frolta, Ornamental Trees, Evergreens and Nhrohe, chade Trees, IIardy most complete collectioos in this country ToldMedal-Paris-Pan-AmericanFair, 1904 . <br> Illustrated Descriptive Catalogue <br> ELLWANGER \& BARRY <br> Mt. Hope Nurserles, Rochester, N. Y. <br> Drawer 1016 F Establtohed 65 Years.

## SilverRibbon Girass

The new bardy perennial. The finest ornamental grass to be had-perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 16 c each by mail, postpaid. $\$ 1.25$ per dozen; $\$ 8.00$ per 100 by express, charges not prepaid. Can fill
orders at any time. Terms cash orcers at an

## James Vick's Sons, ROCHESTER, N. Y.

Please menhon the Amevican Flovist when woriting

## Creopsis Crandiflora

## LONG STEMS.

Blooms as large as Cosmos. A most beautiful yellow. One year old. Out-door grown. Blooming size. $\$ 2.00$ per 100; $\$ 15.00$ per 1000.

## ORDER NOW.

Martin Kohankie PAINESVILLE, OHIO.

## C. FRETS \& SONS, <br> Successors to P. Koster \& Sons.

Hurseries: BOSKOOP, HOLLAND.
Rhodedendrons, Azaleas, Magnolias, Lilacs, pot-grown, Hardy Evergreens, Etc,
-Catalogue 1905-1908 Free on Application.-_-
Please mention the A merican Florist when writing.

## ORDER

h. NOW HAROUSHRIRSS,RAMBLERS and HYBRID ROSES FOR SPRING SALES

GRUSS an TEPLIT $Z$, strong, $\underset{\text { DoZ, } \quad 100}{\text { Do }}$ MAMAN COCHET troag ? year MAMAN COCHET, stroag, - year
old,................................. $200 \quad 15.00$ HERMOSA, strong, 2 -year old.... 2.3516 .00 CLOTHILDE SOUPERT, strong fleld plants $1.50 \quad 10.00$ AMERICAN BEAUTY, Own roots 1.5010 .00 KAISERIN AUG. VICTORIA.... 2.502000 PAUL NEYRON, bulded MAFRANCE, budded
TREE ROSES, IF. F sorts CRIMSON RAMBLoa Rambler... $2.00 \quad 15.00$ $\begin{array}{ll}2.00 & 15.00 \\ 1.50 & 10.00\end{array}$ $\begin{array}{ll}1.50 & 10.00 \\ 500 & 40.00\end{array}$ $\begin{array}{ll}5.00 & 40.00 \\ 6.00 & 50.00\end{array}$ CRIMSON RAMBLERS, strong,
 Strong, 3-year old No. l............
DOROTHY PERKINS, strong, H. Y. ROSES, graftedz-year-old. dormant, Perie des Blancbes,
Capt. Christy, Fisher Holmes,
General Jacqueminot, Mne.
Gabriel Luizet, Magna Charta
Mrs. John Laing, Ulrich BrunFLOWERING SHRUBS.
AZALEA MOLLIS, mixed
kinds, 20 buds............... . 40 4.00 30.00 HYDRANGEA Doz. 100 rrantiflors, bushy fleld-grown,
Bnshy feld-................................ 18011.50 Standurd hydrangens, bushy tops 1.008 .00 DEUTZIA GRACILIS, Each Doz. 100 grown for 7 -inch pots...... $\$ .15 \quad \$ 1.50$ \$19.00 and bushy..... ............ $3.50 \quad 25.00$
DEUTZIALEMOINEI, pot-
3.50 25.00
grown for 7-inch pots..... . $40 \quad 3.50 \quad 25.00$

CLEMATIS JACKMANI, 2 vear. Doz. 100 CLEMATIS JACKMANI, अVear $\quad \$ 3.50 \quad \$ 30.00$ OLEMATIS J... 2.00 Kinls. 3-yeut-ul .................. 3.50 25. 0 4 fit., heary........................... 16.00 ft., heavy............

BOX TREES (Buxus Somporvirons)


#### Abstract

New importation, just arrived it tine con


Standard or Tree Shaped, stems about
Sia feet, crowns of fet in diamet+r. etach 4.00 Bush Shaped. very line bushy plants. 18 to 10 noclies high, cach ................. 1.00

Pyramidal Shaped, fiue shapely trees,
feet high, eitch........................... 2.50
feet high, each......................................... 3.00
PAEONIAS. In case lota.
We have this year sccureta fine lut of Pania 'hine osis in fancy named sorts, suitable from florists use, ald youlog roots, one year These eases contain 67 double white, 64 duuble pink, fir donble red, each sort named. 200 roots in all. We offer them at the low price of se0 00 per case, or 3 cases for $\$ 55.00$. n Soparato Colors. Strona roots prices. 100 monble red and crimson.........81.50 \$1200 Double white............................. $1.50 \quad 12.00$ $\begin{array}{lrr}\text { Donble pink......................... } & 1.25 & 1000 \\ \text { Wonble, all colors mixed........ } & 1.00 & 8.00\end{array}$ DIELYTRA SPECTABILIS.... $1.00 \quad 7.00$ SHASTA DAISY, 3-iulh pots.... $.75 \quad 8.00$

## VAUGHAN'S SEED STORE, Chicago.

Greenhouses and Nurseries, Western Springs, III.

## Please mention the A mevican Flovist when wriling

## Special Evergreen Offer. <br> We are the largest growers of MAGNOLIA GRANDIFLORA in the South, baving upwards of 200,000 plants now on hand. In order to place part of this immense stock before our regular shipping season commences, we make the following offer. <br> One year plants, 1 st grade, 6 to 8 inches, once transplanted, $\$ 3.00$ per 100; $\$ 25.00$ per 1000; $\$ 115.00$ per 5,$000 ; \$ 200.00$ per 10,000. <br> ALSO THE FOLLOWING: <br> Per 100 Per 1000 <br> BUXUS ARBOREA, 2 years, 6 to 8 inches..................................... $\$ 2.00$ \$18.00 <br> EUONYMUS JAPONICUS, 1 year, 4 to 6 inches............................. 1.50 12.50 <br> EUONYMUS PULCHELLUS, 2 years, 6 to 8 inches..................................... 3.00 <br> RETINOSPORA PLUMOSA, 2 years, 9 to 12 inches.................................. 4.00 <br> RETINOSPORA P. AUREA, 9 to 12 inches, 2 years........................ 4.00 <br> BIOTA ORIENTALIS ELEGANTISSIMA, 8 to 10 inches........................ 5.00 <br> BIOTA ORIENTALIS var. ROSEDALE, 6 to 8 inches............................. 3.00 <br> BIOTA ORIENTALIS, Rosedale, 1 ft., very fine................................ 10.00 <br> BIOTA ORIENTALIS, Rosedale, 18 inches, very fine....................... 15.00



## RHODODENDRON MAXIMUM

Ornamental trees, shrubs and ROSES In groat varloly. HERBA. GEOUS PERENNIALS by the thousand.
See our Special Herbaceova Catalogue and Wholesale Trade List. Send for them now.
BAY STATE NURSERIES, North Abington, Mass.

## Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are so
Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725' Cbestnut St., Philadelphia; or to the American Florist Co., Chicago

At New York.
The New York bowlers on Monday evening made the following scores:

| Player. | 1st | 2d | 3 d | 4tb | 5th |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Manda | . 188 | 99 | 137 | 164 | 135 |
| Holt | 144 | 185 | 144 | 144 | 142 |
| Shatw | 112 | 115 | 157 | 118 | 118 |
| Siebrecht | 170 | 133 | 110 | 152 | 153 |
| Fearich | 134 | 160 | 105 | 188 | 164 |
| Hoffmeir | 104 | 156 | 123 | 101 |  |
| Guttman | 124 | 146 |  |  |  |

## Detroit.

The passing away of Frank H. Beard, whose death was announced last week, has cast a gloom over the whole trade here as well as over his large circle of friends, outside the florists' ranks. Mr. Beard was a man of most exemplary habits with a kind and generous disposition. He was endeared to all who knew him, and his sudden demise was a shock that will long be felt by his many friends in and out of the trade. He was a progressive man, in love with his life's work and industriously devoted to its development. He was one of the charter members of the Florists, Club, a hard worker and always took an active part in its proceedings. His funeral was a large one and was attended by nearly every member of the club, three of them being pall bearers.

The present very warm weather is making trouble for many growers who are trying to hold back bulbous stock for Easter. Azaleas too are fast coming into bloom and there will certainly be a scarcity of them three weeks hence. The local stock of lilies seems abundant and the plants are uniformly good, and it is quite certain no scarcity of them will be felt at Easter. Violets will be poor and scarce if the warm weather continues. The carnation growers promise a big crop and roses too, are expected to be plentiful.

The firm of John Breitmeyer's Sons, consisting of Philip, Fred and William Breitmeyer, was recently incorporated with a capital of $\$ 75,000$. This firm was a successful exhibitor of roses at
the American Rose Society's exhibition at Boston. Three of their awards were with La Detroit. Fred Breitmeyer was the only visitor of the show from here.

Breitmeyer's new building, corner of Miami and Gratiot avenues will be commenced May 1. During its erection, which will take six months' time, the firm will occupy temporary quarters nearby, where they will remove immediately after Easter, using both places to facilitate the work of Easter week.

George A. Rackham, disgusted with the present low prices of carnations is using much of his stock in his campaign for school inspector.

Visitors: A. L. Vaughan, Chicago; George A. Heinl, Toledo, O. J. F. S.

## Utica, N. Y.

Trade has been very good for the past month. During the Lenten seasou the social decorations are few but the sale of cut flowers and plants combined with the large funeral orders has made the past month a record breaker.

A recent visit to Peter Crowe's houses found every thing in fine shape. Mr. Crowe said that he was shipping on an average 5,000 fronds of Adiantiunn Croweanum a day.

The next meeting of the Utica Florists' Club will be held Thursday, April 6. Nomination of officers will take place, also a fine lunch and smoker.

Brandt Brothers' rose houses are in fine shape. Harry Brandt is receiving many congratulations on his recent victory at the Boston convention.

Frank McGowan is cutting some sweet peas. He is getting ready to move to his newly purchased houses on Sunset avenue.

Spencer \& Martin's new store on Genesee street is said by many to be the best equipped flower store in central New York.

Frank Baker is cutting good lily of the valley and carnations. He reports an extra fine business.

Charles Roney of the Lake View Rose Gardens of Jamestown, spent Saturday and Sunday in town.
J. C. Spencer of the firm of Spencer \& Martin is in New York looking up Easter stock.

Peter Crowe will spend the next ten davs in Boston and New York.

William Mathews is cutting fine orchids. Bud.

## Columbus, 0

Trade in general about Columbus is very good. Thus far the Lenten season
has had some effect on society trade, but there has been a great deal of funeral work to keep everybody busy.

The exceptionally warm weather is bringing on stock at a rapid rate, and if there will not be a change soon much of the Easter stock will be in ahead of time.

Sherman Stephens is building another house which will be ready in time for bedding plants, of which he has a larger stock than ever before.

The friends of Mr. Graff are glad to see him back at the old stand again, he having fully recovered from a siege of typhoid fever.

Carl.
From present indications catalogue plant trade is better than last year, although last year was the best on record. Orders are coming in freely; they are large and buyers seem to look more for quality than cost. This is especially true of large size roses. It also appears that there will not be enough Baby Ramblers to go around, as every order has this included.

SpokANe, Wash, - The Spokane Floral Association met March 14. Mrs. J. A. Cruzan read a paper on "Luther Burbank."

Normich, Conn.-M. J. Field, whose greenhouses were recently destroyed by fire, is rebuilding. The furnace and boiler room will be placed in a separate building.

## Orchids!

Arrived in fine condition CATILEYA MENDELLII DENDROBIUM WARDIANUM, LAELIA ANGEPS Rnd ONCIDIUM TIGRINUM UNGUICULATUM. We Blso offer a fine lot of well-grown bulbs of CALANTHE VEITCHII.
Lager Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.
ORCHIDS
Largest Imporlers, Exporters, Growers and Hybridisis in the World.
SANDER, St. Albans, England.
Agent, A. DIMMOCK, 31 Barclay St., NEW YORK CITY

## Stanley \& Co. <br> SOUTHGATE, ENGLAND.

Catlleya labiata autumnalis, magnificent; leafy dormant, plump and clean plants now arriving. WRITE.

TRY OUR STOCK-- You will like it.
TRY OUR SERVICE--.You will want more of it. BULB STOCK LILIES ROSES CARNATIONS

FERNS GALAX GREENS

HAVE YOU KEPT YOUR EYE $\longrightarrow \mathbf{O N} \longrightarrow$

# LA DE T R OIT 

## The GRAND NEW PINK ROSE

 we disseminated last season?
## AWARDS LAST WEEK

 AT THE BOSTON MEETING OF THE
## AMERICAN ROSE SOCIETY.

John B. Nugent, Jr. Prize, \$25.
BEST 25 BLOOMS ANY PINK ROSE.

First Prize.
BEST 25 BLOOMS ANY OTHER VARIETY.

President Montgomery Prize, \$25.
BEST 25 BLOOMS ANY AMERICAN SEEDLING INTRODUCED IN OR SINCE 1901.

## What It Does for Us.

It grows stronger and more vigorous than any Rose we ever grew. It produces more high grade and long stem blooms than any rose we ever grew. It produces as many flowers as Bridesmaids planted in same house, same date, same quality of stock.
It is doing well with nearly every one that planted it last season. It is in a class by itself and has COME TO STAY.

WRITE FOR PRICES.
READY NOW.

## JOHN <br> BREITMEYER'S

# THE BEST WHITE CARNATION IS <br> <br> Lieut. Peary mimp <br> <br> Lieut. Peary mimp <br> <br> CERTIFICATED 90 POINTS. <br> <br> CERTIFICATED 90 POINTS. <br> PEDICREE-While seedlings for seversl generations. COLOR-Snow white. FRAGRANCE-Very strong clove, decidedly tresh, and pleasing. SIZE-Large, sveraging 3inches in diameter ou strong stif stems, is to 20 inches in length. FLOWER-Ful, broad petaled and high center and ol a ane symmetrical iorm. HABIT-Strong and erect. CRASS-Medium width. CONSTITUTION-Very vigorous and iree from disease. Cuttings root rapidly and will be sent out in the most perfeot condition. Commences bloomiag October 15th and flowers continuously throughout the Winter, affording an abundant crop. A first-class commercial variety in every respect. Now booking orders. <br> Prloe, $\$ 12.00$ per $100 ; \$ 100.00$ per 1000. <br> OOTTAGE GARDENS CO., Queens, N. Y. 

## ALSO THE FOLLOWING NOW READY:

3,000 ETHEL WARD $\qquad$ 87.00 per 100.
 5,000 FNCHA NTRESS $\qquad$ $\$ 4.00$ per $100 ;$ 2,000 CHRISTMAS EVE $\$ 30.00$ per 100; 2,000 GOLDEN EAGLE, $\$ 5.00$ per 100.810 per 1000. 1,000 HARRY FENN ............. $\$ 83.00$ per 100; 5,000 LAWSON ........................ , 825.00 per 1000. 2,000 PROSPERITY, $\$ 2.00$ per 100; 15.00 per 1000. 3,000 MACKINAC.. 2,000 LADY BGUNTIFOU
3,000 JUDGE HINSDALE
$\$ 6.00$ per 100. 2,000 MRS. PATTEN. $\$ 50.00$ per 1000.
2,000 NELSON FIS
2,000 OCTOROON.
2,000 FLAMINGO.
50 of a kind at 100 rate; 250 of a kind at 1000 rate.

## NEW CARNATION William Penn

A very pleasing salable shade of pink. I bave grown it for five years and It gave me more good salable flowers than any ather variely up-to-date.
Should be planted by every grower of cut flowers if he wants a continuous cul of flowers the whole season. Every shoot a fower. I will mail 25 well-rooted cuttings free of charge for $82.50 ; 810 \mathrm{per} 100 ; \$ 75$ per
1000 . 250 for $\$ 18.75 . \quad 10,000$ cuttinge now 1000 . 250 for $\$ 18.75$. 10,000 cuttings now
read. All orders filled promptly.
FRANK L. KOHR, Lancasier, Pa.

## My Maryland

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.
Awarded first-class Certiflcate of Merit by the Amerlcan Carnation Society. Lawson Bronze ledal 100 blonms and S. A. F. Bronze Medal arsily displace any other white.
We are booking orders now lor delivery January 1906. Price, 82.50 per dozen; 812.00 per 100 . 8100.00 per 1000 . Write us for other new and standerd varieties.
H. WEBER \& SONS, Oakland, Md.

## CARNation Cuttingas

WELL ROOTED, FROM SELECTED STOCK.
NELSON FISHER.................... 100 Per 1000 MRS. M. A. PATTEN.... ........ $6.00 \quad 50.00$ FLAMINGO. ............................ 8.00 . 50.00 CRUSADER.. ....... ................... . . $5.00 \quad 40.00$ D. WH1TNEY......................... 6.00 . 40.00 ENCHANTRESS..................... $300 \quad 25.00$ MANLEY................................ 3.00 H. FENN................................. 2.60 FA1R MA1D................................ 2.60 QUEEN.............. .................. 2.60 20.00 Sarne varieties from pots 50 c more per 100. BACKER \& CO., Billerica, Mass. Please mention the A merican Florist when writing

## Rooted Cuttings.

PREPAID, per 100. Ageratum. S. Gurney, 50c. Allernanlheras, best red rud yellow, $50 \mathrm{c} ; \$ 4.00$ per 1000. Coleus, hest bedders, COc. Fuchsias, Trophee sad other good sorts, g1.00. Salvias, Splendens, Bonfle, goc. Heliolrope. blue, ${ }_{5} 1.00$ Pelunias, 10 best gorts, 筬.00. Allernanthera, best red, fine, 2 -incli, 2 cts. Cash.

BYER FLORAL CO., Shlpponsburg, Pa.
Please Mention The American Florist
 Please mention the A merican Florist when writing.

# CARNATION CUTTINGS. 

 THE BEST. NOW READY.| white. | Per 1001000 | PINK. Per 100 | 1000 |
| :---: | :---: | :---: | :---: |
| Lady Bountiful. | . $86.00 \$ 50.00$ | Enchantress...................... \$3.00 | \$25.00 |
| White Lawson. | $6.00 \quad 50.00$ | Mrs.Lawson..................... 2.00 | 15.00 |
| SCARLET. |  | VARIECATED and FA |  |
| Crusader. | $5.00 \quad 40.00$ | Mrs. M. A. Patten................ 6.00 | 50.00 |
|  | 12.00100 .00 | Marshall Field......................... 3.00 | 25.00 |
| CRIMSON. | $2.00 \quad 15.00$ | Prosperity........................ 2.00 | 25.00 |

## Chicago Carnation Co.

 JOLIET, ILLINOIS.
## We are still booking orders for own root plants of

## THE NEW ROSE WELLESLEY

We have a very fine lot in $\mathbf{2 l - 2 - i n}$. pots at $\$ 25.00$ per 100

## Having decided to increase our planting of "Wellesley," we have several thousand first-class grafted

## Bride and Bridesmaid Roses

in $21-2$-in. pots, which we intended for our own use, and which are now offered for sale at $\$ 10.00$ per 100. 1000 rate on application.

# WABAN ROSE CONSERVATORIES, Natick, Mass. 

JOHEN N. MKAY, EUMMMYI, N. J.


[^9]
## Geraniums

10 varieties, fine planta, $2 \frac{1}{6}$-in. pots 10 varieties, fine plants, 34 -in pots. 00 Alternantheraa, red and yellow............... 2.00
 Asp. Sprongerl, 24-1n pots..................... 2.03 Lawson end Q. Loulso, 2-1n. pots.............. 3.0 Pansy Plants, small............. per $1000, \$ 2.60$ CASH or C.O.D. JOS. H. CUNNINGHAM, Delaware, ohio

## COILIUS....

## 12 varietles, 2rí-inch pots...

Per 100
$\$ 2.00$
Potunlas, double.................................. 300
seedlings.............................. 2.50
Cantauras Cymnocarpa....................... 2.00
Vinos Vins, Var.............................................50
Primrosos, Chinese, Ubconica and Forbesi
July 1 ......................................... 2.00
00

50
-

## CARNATION

## CUTTINGS.

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.
Per $100 \quad 1000$
Lawson.............................. $\$ 1.50 \$ 12.50$
Guardian Angel.................... $1.00 \quad 9.00$
Enchantress......................... 3.0025 .00
Morning Glory...................... $1.50 \quad 12.50$
Mrs. Higinbotham................ 1.2510 .00
Estelle................................ $2.50 \quad 20.00$
Chicago............................... 2.00 15.00
Adonis................................ 2.5020 .00
Flora Hill............................ $1.00 \quad 9.00$
Whlte Cloud......................... $1.25 \quad 10.00$
Her Majesty.......................... $1.50 \quad 12.50$
Harlowarden........................ 2.0015 .00
Orders Filled Promptly.

## WIETOR BROS.

## 51 Wabash Ave., Chicago.

Please mention the American Florist when writing.

# Red Sport 

## CARNATION.

The greal "Bread and Butter" holly berry ped. Early and continuous, sure crop for Christmas. Never spiss; Btrong hesithy grower, $2 y / 3$ to 3 -inch llower on long wiry stem that well supports the blonm, sa easy doer and an all-around money maker. 'Nough said. Price for immediate dellvery, 12 for $81.50 ; 25$ tor $82.50: 50$ for 84.00 , all postpald. 86.00 per 100; $\$ 5000$ per 1000 .
QUEEN LOUISE, the standard white. strong healthy well-rooted, 81.25 per 100, postpaid; $\$ 10.00$ per 1000. Salisfaction Guaranleed.
A. B. DAVIS \& SOM, Puecelvvile, CARNATION SPECIALISTS.
Please mertion the A merican Florist when zeriling. ganaananananana Have You Placed Your Order For

## FRED. BURKI

## The Commercial White?

If not do so. All orders buoked now are for March delivery.........
( JOHN MURCHIE, Sharon, Pa, S S. S. SKIDELSKY, Philadelphia. Plose

[^10]
## UNFIT tro PUBLLCATION

 are the prices we will quote on large lots of the following roses: STRONG, FIELD-GROWN PLANTS, ON OWN ROOTS
## CRIMSON RAMBLER ) Price for Moderate DOROTHY PERKINS

 LA FRANCEIf You Can Use 500 or More ol Any One Kind, get our special prices. They will surprise you. We are over-stocked with these kinds and the first comers get the benefit. They are fine stock.

Send for our complete price list. There are other bargains in it. Use printed stationery. We send it only to the trade.

## Jackison \& PERKINS CO. newark, N. Y.

## EARLY STRUCK PLANTS <br> OF EARLY ${ }^{5}$ MUMS



| CARNATIONS. ${ }_{\text {Sturdy }}^{\text {Srom }}$ Litife Pot Piants |  |  |  |
| :---: | :---: | :---: | :---: |
| Per 100 |  |  | Per 100 |
| Boston Market............ $\$ 250$ | The Quee | \$3.00 Mrs. Joost. |  |
| Gor. Wolcott.............. 3.00 | Geo. H. Crane | ..... 250 Mornlag Glory. | ... 2.50 |
| Indianapolis.............. 4.00 | Glacier....... | ... ..... 2.50 President McKioley | .. 250 |
| Mrs. E.,A. Nelsma......... 2.50 | Lorna | ....... 2.50 White Lawson...... | .. 7.00 |
| Mrs. Lswson.............. 2.50 | Florian | .... 2.50 Cardioal. | . 12.00 |
| Send for prices on large lots. |  |  |  |
|  | Per 100 | SNIALL PALNIS from 2 $4 / 2$-inch pots. | Per 100 |
| Dracaena Indivisa, ${ }^{21 / 9}$-inch | .. $\$ 3.00$ | Kenía Belmareana | 86 |
| "* "* 3-1Dch | . 4.00 | Areca Lutescens....... |  |
| Boston Fern, 21/a-inch. | $\begin{array}{r} \ldots . .00 \\ \ldots . . \\ 3.00 \end{array}$ | Latnoia Borbonica. | ... ${ }^{3.00}$ |

## 

## 200,000 CARMATIONS <br> CLEAN, HEALTHY STOCK.



## ROSES

All the New Varieties of this Year, and a General List, a few of which are

BRIDE BRIDESMAID MRS. MORGAN MRS. AMES GEN. MacARTHUR

> BON SILENE LA DETROIT MME. HOSTE PERLE des JARDINS MME. A. CHATENAY

We can give you Stock which we guarantee will give satisfaction.
$\square][\square$
SUMMMIT, NEETV JEREEFY.


Fine, Clean, Healthy Stock. Satistaction Guaranteed.
ROSES.
15P Per 1000
 $\begin{array}{ll}\text { GOLDEN OATEE................... } 1.50 \\ \text { IVORY............................ } 1.50 \\ \text { I2.50 } & 12.50\end{array}$ CARNATIONS.

Per 100 Per 1000

# 1.50 

MRS. NEI MRS. LAWSON . MARDIAN ANGEL.................. 1.00 8.0
 ENCHANTRESS........................ 3.00 25.00 WHITE

N MAREE2.50

PERU................................ 1.00
QUEEN LOUISE 1.00
1.00
5.50
variegated
$\qquad$
GEO. REINBERG, 51 Wabash Ave., CHICACO.

## Carnations

 ROOTED CUTTINGSSend for price list of all the new and staodard sorts.
Wm. Swayne, ${ }^{\text {genex } 226, ~}$


Please mention the American Florist to advertisers.

Newport, R. $\mathbf{I}$.
TRADE DEVELOPS FAST.
It is getting warmer every day, and the past week clearly shows what is coming, one of the largest season's trade done here for many years. In warm spots sweet peas are being planted, and crocuses are almost showing color; there is still some frost in places, but we have just had a warm rain of two days and now a few days' sun and general early planting will be in order. The florists have been busy and are looking forward to a nice trade the balance of Lent and a great Easter. At present there is perhaps a surplus of bulb stock, but tulips still sell at 50 cents a dozen. Roses hold steady and carnations for good flowers are 75 cents to $\$ 1$ per dozen.

NOTES.
The annual meeting of the Island Cemetery Corporation was held last Monday, and a most satisfactory condition of affairs was shown by the various committee reports. The trustees had little to add to previous recommendations; the grounds, avenues and buildings have been well cared for and are in the best possible condition. The superintendent, Col. Andrew K. McMahon, has kept everything to the highest standard.

The next meeting of the Newport Horticultural Society, which takes place Wednesday evening, April 5, bids fair to be largely attended, as great interest has shown itself the past few days regarding the proposed plan of a society summer floral show in the New. port Casino.

Carl Jurgens, Jr., will be married April 10, in Washington, D. C., to Miss Florida Hubbard. The couple after the wedding journey will reside with the groom's father and mother on Pelham street, this city.

Frederick M. Smythe, of Wadley \& Smythe, is here from New Rochelle, N. Y., for a few days, arranging matters for the coming season's business of their Casino floral establishment.

The George A. Weaver Company are employing electric platform cars to deliver their large orders of fertilizers to the out of town farmers; a splendid plan for such heavy goods.
A. Brand has removed his store from the center of Thames street, where he has been so many years, to No. 19, at the lower end of the street.
F. L. Ziegler has been having a good run on blooming pansies in 5 -inch pots; this firm has also developed a good business in floral pieces.

A visitor this week was J. M. Van Zanten, of Veldhuijzen Van Zanten \& Zoren, Lisse, Holland.

## Nashville, Tenn.

The very late Easter this ycar will make it diffealt for the florists to hold their lilies back for the Easter trade, but there is every prospect that thero will be an abunclant supply not only of lilies but of all other flowers. Von Sion narcissi and single daffodils are in abumlance. The latter are blooming out. doors in profusion and street fakirs, an unusual thing here, are peddling them, while amateur growers are placing them on sale at rlrug or grocery stores.
M. C. D.

# Now Ready. 

## White Lawson,

 Flamingo, Nelson Fisher, Crusader.$\$ 6.00$ per 100; $\$ 50.00$ per 1000.
The Three Grand New CHRYSANTHEMUMS MAJESTIG, ADELIA and MADONNA.
R. C....... $\$ 3.00$ per doz; $\$ 15.00$ per 100 2-in. pots.................... 20.00 per 100

## The Fine New Pink Rose

SNAPDRAGONS,

## LA DETROIT.

- 

$21 / 2$-inch pots, $\$ 8.00$ per $100 ; \$ 75.00$ per 1000.
$\$ 6.00$ per 100 ; $\quad \$ 50.00$ per 1000 .

The New Red General MacArthur. $21 / 2$-inch pots, $\$ 8.00$ per $100 ; \$ 75.00$ per 1000 .

## JOHN BREITMEYER'S SONS,

FINE
STRONG
HEALTHY
CUTTINGS
ARE
RED
LAWSON
SOLD AT
$\$ 10.00$ per 100
40.00 per 500
75.00 per 1000

ORDER at ONCE

## W. J. PALMER \& SON, Lancaster, N. Y.

## CARNATIONS <br> GERANIUMS

WM. DENN. A promising pink bloomer ever happened. From soil $\$ 10$ per 100; 25 for $\$ 2.50$.
Quoen Loulae, from soil at $\$ 1000$ per 1000 .
Florlana, from soil at \$12.50 per 1000 .
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Extra ine stook, out from bench now resdy for 100.00 Per 100 PLUMOSUS MANUS Cas, RUBERS,
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Now remply for immediate shipment bloaning Easter Stock for baster we ek or before if desired. :ears for raisigg aud shipping cloice leaster fromes crowded with plants in letter conditiou

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SPIRAEA, 2 houses full. Floribunda, Jsponica,
Blondine. 6 -inch pots. $\$ 3.00, \$ 100$ and $\$ 500$ per doz, Compacta, $\begin{gathered}\text { 採. } 00 \\ \text { to } \\ \$ 300 \\ \text { per } \\ \text { doz. }\end{gathered}$ iladstone, uuusually fine this year, full of buds, ROSES, A merican
ROSES, American Beauty. 6 -inch pots, busby,
e to 30 inches high, 50 c to $\tilde{\text { fac each each } 5 \text {-inch } 30 \text {. }}$ one each. Ilardy Hyhrid Roses, includiug llermosa, $51 / 2$-ineth pots, $\$ 3.00,84.00$ and $\$ 5.00$
BEGONIA, Pres. (Garnot, Flambeau, 3 good per doz; 4 -inch, 8 in inch pots, $\$ 300$ to dot doz ARAUCAR1A EXCELSA, $\tau-1$ nch pots, 4. Sand 6 tiers, 25 to 34 6 to 7 -inch pots, 25 to 35 inches high, 86.00 . $\$ 9,0$ WHITE DAISIES, 6 -inch pots, 积 $^{0} 00$ per doz. HYACINTHS, mixed, from first size bulhs, my own importation. Grant Maitre, Fing of the Blue, Gertrude, pink, Grandifiora, white, $\$ 10.00$ t., 812.00 DOUBLE NARCISSUS or DAFFODILS, 82.00 per dozen pats. TULIPS, best selling double, 3 in a 4 inch pot, wis0 ifer fozen pots MOONVINE, 1. W. Smith's Hybrid, $\begin{aligned} & \text { s. } 00 \\ & \text { per } 100 .\end{aligned}$

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HARDY PINK5, large feld-gyown, 5 sorts, 34 y c. PARIS DAISY, Giant 2-inch, 2c
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## Cleveland.

Business is a little better than last week, that is to say, more stock is moving, but values have not increased to any perceptible extent, except carnations which have stiffened in price from last quotations. Roses are still in over supply. Bulbous stock is moving fairly Wellith \& Fetters had the family order for the Andrews funeral last week. One of the items was a blanket of lily of the valley and violets which cost $\$ 250$. The decoration of the Wade Memorial chapel by this firm was on a magnificent order, white lilac and American Beauty roses being used principally, with asparagus and smilax. They had, in addition to this work, twent-five large wreaths to make up for the same funeral.

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Echo.

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Alyssum-
8 per $1,000$.
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& \text { John Brod, Niles Center, Ill. }
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Alex. J. Guttman, 52 W. 29 th St., N. Y.
Carnations-Sturdy little pot plants from best cuttings, per 100: B. Market $\$ 2.50$ Gov. Wolcott, \$3; Indlanapolis, \$4; The Quen $\$ 3.5$ Grs, Crane, Glacler Lorna, Floriana, M. Joost, Morning Glory, Pres. McIViniey, \$2.50; White Lawson, \$7, and Cardinal, \$12. ville, $O$.
Carnation-Carnation Candace, $\$ 2$ per doz., $\$ 12$ per $100, \$ 100$ per 1,000 . Dissemination 1906 .
Indianapolis Flower \& Plant Co., and John Hartje, Indianapolis, Ind.

Carnation-Carnation cuttings
W. H. Watson, Lapeer, Mich.

Carnation-Rooted cuttings ready Whit Lady Bountitul, Fhylis, Chicago White, Robert Craig, White Lawson. $\$ 100$ per 1,000 ; Crisis, new, $\$ 12$ per 100 $\$ 100$ per 1,000; Crusader, $\$ 5$ per $100, \$ 40$ per $\$ 1,000$; Daheim, $\$ 6$ per $100, \$ 50$ per 1,000; Dorothy Whitney, $\$ 5$ per $100 . \$ 40$ per 1,000; Eclipse, Dorner's, \$12 per 100, $\$ 100$ per 1,000; Enchantress, $\$ 4$ per 100, $\$ 30$ per 1,000; Estelle, $\$ 3$ per $100, \$ 25$ per 1,000; Flora Hill, $\$ 1.75$ per $100, \$ 50$ per , 000 ; Lord, $\$ 1.75$ per $100, \$ 15$ per 1,000 Hariowarden, $\$ 2.50$ per $100, \$ 20$ per 1,000; Indianapolis, $\$ 5$ per 100, $\$ 40$ per 1,000; Lawson, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Mrs. Patten, $\$ 6$ per $100, \$ 50$ per 1,$000 ;$
Nelson Fisher, $\$ 6$ per $100, \$ 50$ per 1,000 ; Prosperity, fancy, $\$ 3$ per 100 per $\$ 2500$ 1,000; Queen Louise, $\$ 1.75$ per 100 per per 1,000; Red Lawson, $\$ 10$ per i00, $\$ 75$ per 1,$000 ;$ Richmond Gem, $\$ 10$ per 100 $\$ 75$ per 1,000; The Belle, $\$ 6$ per 100 , $\$ 50$ per 1,$000 ;$ Vesper, $\$ 5$ per $100, \$ 40$ per 1,000; Variegated Lawson, \$12 per 100 $\$ 100$ per 1,000; White Cloud, $\$ 1.75$ per 100, $\$ 15$ per 1,000; White Swan, $\$ 10$ per 100; \$80 per 1,000.
houghan's Seed Store, Chicago, Greenhouses, Western Springs, 111 .
Centaurea-Centaurea Gymnocarpa, $\$ 2$ per 100

Jos. H. Cunningham, Delaware, O.
Chrysanthemum-Three new chrysanthemums, Majestic, Adelia and Madonna rooted cuttings, $\$ 3$ per doz., $\$ 15$ per 100; 2-1n. pots, $\$ 20$

John Breitmeyer's Sons, Detroit, Mich.
Chrysanthemum-Corysanthemum novelties: Merstham Yellow, White Coombes, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen, and all other novelties, 50 c each; $\$ 5$ per doz. Mrs. W
Duckham, the cup winner. 75 c each $\$ 7.50$ per doz. Send for list.

Charles H. Totty, Madison, N. J.
Chrysanthemum-Chrysanthemums are our specialty. We have the best from raisers here and abroad. Our catalogue for 1905 describes them all.

Nathan Smith \& Son, Adrian, Mich.
Chrybanthemum-Fine plants, ready to ship, from soil or sand. White, per Rose wanamaker $\$ 2$, Robinson, Polly Rose, Wanamaker, \$2; Eaton, $\$ 2.50$; Bonnaffon, Snow Queen, Merry Christmas Mayflower, Ivory, J. Jones, $\$ 2 ; \mathrm{H}$. Plume ridge, $\$ 3$. Yellow, per 100: Octobe Sunshine, Monrovia, Major Bonnaffon, Appleton, X. Jones, Y. Mayflower Golden Wedding, 2.50 Wm, Thirkell, T Golden wedding, $2.50 ;$ Wm. Thirkell, T Pink, per I00: Duckham, Cobbold, Bal Pink, per 100: Duckham, Cobbold, Bal Neweil, J. K. Shaw. Perrin, M. Lifory Newell, J. K. Shaw, Perrin, M. Liger V. Moreil, $\$ 2$. Red, per 100 O Oakland Paul Labbe, Black Hawk, \$2.50. Wletor Bros., 51 Wabash Ave., Chicago.
Chrysanthemum - Rooted cuttings, Wm. Duckham, Ben Wells, F. A. Cob bold, Leila Filkins, \$3 per 100; Dr. Enguehard, \$4; Mrs. 1 .
W. A. Chalfant, Springfield, Mo.

Chrysanthemum-Strong rooted cuttings and plants. Leading standard varieties. Cash or satisfactory references. Baur Floral Co., Erie, Pa.
Chryganthemum - Rooted cuttings ready now. All best commercial vari-First-class stock
Poehimann Bros. Co., Morton Grove, Ill.
Chrysanthemum - Early chrysanthemums, $\$ 2.50$ per 100 ; lvory, Lacy Fitzwygram, Mme. Bergman, Monrovia, Omega, Opah. Polly
The Storrs \& Harrison Co., Painese, 0
Chryeañthemums-Geo. A. Kuhl,
Pekin, Ill.
Chryeanthemum-Chrysanthemum Appleton, Bonnaffon, Glory of Pacific, Ivory, and others, rooted cuttings, \$1; transplanted in flats, \$1.50; from $21 / 2$-in.. $\$ 2$ per 100 . L. J. Rowe, Titusvilie, Pa.
Cineraria-Benary's dwarr, budded, right for Easter, cut or 3 -in., ready for $5-\mathrm{in}$, , $\$ 4$ per 100 .
Shellroad Greenhouses, Grange, Baltimore. Md.

Clematis-Clematis panicuiata. N. Y.

Coleus-Forty varieties, 70c per 100 $\$ 6$ per 1,000 .
S.' D. Brant, Clay Center, Kan.

Cyclamen-Splendens giganteum hybrids, in five true colors; seedlings, inluding fringed variety, \$4 per 100, per 1,000. Lehnig \& Winnereld, J
Cyctamen-cyclamen giganteum, best strains, ali colors, transplanted; September sown stock; ready for $21 / 2$ and paid. $\quad$ A. E. Wohiert, Bala, Pa. cyclamen-Once transplanted; $\$ 2$ per $100, \$ 18$ per 1,000 C. Winterich, Defiance, 0 .

Coleus-Twelve var., 2 $1 / 1-\mathrm{in}$. pots, $\$ 2$ er I00.
H. Cunningham, Delaware,

Dahlia-Kaiserin Augusta Victoria. is-in long plants 3 to 31 feet high stock from $21 / 2-$ in. pots, $\$ 3$ per doz.; $\$ 20$ per 100. Delivery May 1.
N. A. L. Miller, Jamaica Àve., Brooklyn,

Dahlia-Dahlia, Mrs. Winters, $\$ 10$ per Danlia-Dahlia Syivia, divided field roots, $\$ 2$ per doz., $\$ 15$ per 100
Vaughan's Seed Store, Chicago and New York.
Dahlias-We wish to announce to the trade that we are successors to W. P. Peacock, dahlia specialist. Send for our logue for 1905 now ready
L. K. Peacock, Inc., Atco, N. Y.

Dahlias-Fine collection dahlias, $\$ 5$ per 100 .
H. H. Kern, Bonner Springs, Kan

Daisies- $\$ 1$ per 100 .
S. D. Brant, Clay Center, Kan.

Daisies-Paris Daisy, giant, 2-in. 2 c .
Byer Bros., Chambersburg, Pa.
Dentzia.-Easter stock. Deutzias for forcing; strong, two-year-old field-grown plants, for 6 -in. pots. Gracilis rosea, $\$ 1$ per doz., $\$ 8$ per 100 . Gracilis Lemoinei, $\$ 1$ per doz., $\$ 8$ per 100 Henry A. Dre
Deutzia-Deutzia Gracilis, 7 -in. pots, 15 c each, $\$ 1.50$ per doz., $\$ 12$ per 100 Deutzia Lemoinel, $\$ 3.50$ per doz., $\$ 25$ per 100 . $\$ 3.50$ per doz., $\$ 25$ per 100 .
New York.
Dracæna-Dracæna indivisa, per $\overline{100}$ $\begin{array}{cc}21 / 2-1 n,, \$ 3 ; & 3 \text {-in., } \$ 4 . \\ \text { Storrs } \& ~ H a r r i s o n ~ C o ., ~ P a i n e s v i l l e . ~ & 0 .\end{array}$

## EASTER STOCK

SOME GOOD SPECIMENS AZALEA INDICA, VARIOUS COLORS, $21 / 2$ TO 5 FEET ACROSS. SOME LARGE BUSHES AZALEA INDICA ALBA 4 TO 6 FEET HIGH, WELL BUDDED. SOME GENISTAS FROM $11 / 2$ TO 5 FEET HIGH. HYDRANGEA OTAKSA, 8 TO 12-INCH POTS. ALL IN GOOD SHAPE FOR EASTER.

ALBERT WOLTEMATE,
GERMANTOWN, PHILADELPHIA.
Easter Stock-Easter lilies, hydrangeas, spirea Gladstone, rhododendrons genistas.

Dreyer, Woodside, I. I., N. T.
Easter Lilien-Hinode Florist Co.' W .
Easter Stock-Spiræas, at $25 \mathrm{c}, 35 \mathrm{c}$ and 50 c each. Hyacinths, in $4-1 \mathrm{ln}$. pots, at $\$ 1.50$ each. Hydrangeas, 6 -in., at 75 c and $\$ 1$ each. Cannas at $\$ 5$ per 100 .

Geo. A. Kuhl, Pekin, Ill.
Ferns-Boston ferns, 3, 4 and 5 in. also $21 / 2-\mathrm{in}$. for bedding out. Plumosus and Sprengeri, $21 / 2,3,4,5$ and 6 in.

Fern-Nepirolepis Scottii, 6-ln. po grown, ready for 8 -in., $\$ 15$ per doz; 7 in . pot grown, $\$ 24$ per doz.; ${ }^{8-1 \mathrm{ln} \text {. }}$, íeap St. Greenhouses, Brooklyn.
Ferns, Etc.-Boston ferns, for $5,6,100$ per 100 .

Perns, Etc-Boston, Piersoni and Scottii ferns Geo. A. Kuhl, Pekin, Ill.
Ferns-Fancy ferns, $\$ 1.50$ per 1,000 dagger ferns, $\$ 1.25$ per 1,000 ; galax, 75 c per $1,000, \$ 6.50$ per case of 10,000 . Laurel festooning, $4 \mathrm{c}, 5 \mathrm{c}, 6 \mathrm{c}$ per yd.; wild smilax, $\$ 5.50$ per $50-1 \mathrm{~b}$. case; laurel and Princess pine wreaths.

Crowl Fern Co., Millington, Mass.
Fern-Boston fern, $21 / 2$-in., $\$ 3$; assort ed ferns for dishes, \$3

Storrs \& Harrison Co., Painesville, O .
Ferns-Ferns in 4,5 and 6 -in. pots, strong, healthy, well rooted from bench, at $15 \mathrm{c}, 20 \mathrm{c}$ and 30 c respectively John Brod, Niles Center, Ill.
Ferns-Assorted ferns, $\$ 6$ per 100 ready for fern dishes. delphia.

Ferns-Boston ferns, fine young plants, $\$ 10$ per 1,000

Feverfew-Plants, $21 / 4-\mathrm{in}$. pots, $\$ 2.50$ per 100 ; rooted cuttings. $\$ 1$ per 100 . Ludvig Mosbaek, Onarga, Ill.
Feverfew-Little Gem, $21 / 4-\mathrm{in}$., 60c per doz., \$4 per 100

Ficus-Ficus elastica, 6 to $\$ 9$ per doz. Godfrey Aschmann, 1012 Ontario St., Philadelphia
Ficus-Ficus elastica, 100 stock plants, the true Belgian Rubber, $\$ 20$ per 100 . Auction April 12 . Albert Fuchs, 2059 N. Halsted St., Chi cago.

Forget-Me-Nots-Ever bloomins for-get-me-nots, rooted cuttings, $\$ 1$ per 100

Byer Bros., Chambersburg, Pa.
Fuchsias-Fuchsias, rot
rest varieties, 90 c per 100 .
Byer Bros., Chambersburg, Pa.
Fuchsias-Fuchsias, rooted cuttings, Ludvig Mosbaek, Onarga, 111 .
Gardenias-Gardenia plants and jessamine, our leading specialty. Natural 24 in., $\$ 1.50$ per doz.; $\$ 10$ per 100 . C. W. Benson, Alvin, Tex.

Geraniums-Geranium Telegraph, bedding out, conservatory or window; strong plants, $21 / 4$-in., $\$ 15$ per 100 .
~Thomas Devoy \& Son, Poughkeepsie,
Geraniums-Jean Viaud, S. A. Nutt Castellane, John Doyle and Single and double Gen. Grant, La Favorite, 2 -in. pots, $\$ 2.50$ per 100 .

Geo. M. Emmans, Newton, N. J
$\underset{\text { Geraniums- } 25,000}{ } \underset{\$ 2.50 \text { per }}{\text { geraniums; by }} 100, \underset{21 / 4-\mathrm{in} \text {. pots; }}{\text { ex }}$ by mail, $\$ 1.50$ per 100 , rooted cuttings. Ludvig Mosbaek, Onarga. Ill.
Geranium-S. A. Nutt geraniums, healthy, $2 \frac{1}{2}-\mathrm{in}$, $\$ 3.50$ per 100 .
Geraniam-Rooted cuttings, \$10 and $\$ 12$ per Albert M. Herr, Lancaster, Pa.
Geraniums-Ten var., $21 / 2-\ln$. pots, $\$ 3$ per $100 ; 10$ var... $31 / 2-1$ n., $\$ 4$ per 100
Heliotrope-Heliotrope, 75 c per 100 , ooted cuttings.

Byer Bros., Chambersburg, Pa.
Heliotrope-Rooted cuttings, 12 varieties, $\$ 1$ per 100; \$8 per 1,000.

Hemerocallis-Hemerocallis Fulva, \$2 mer 100.
H. Kern, Bonner Springs, Kan. Hollyhocks-Double field-grown, $\$ 3$ per 100. W. W. Wilmore, Denver, Cor.
yhocks, separate colors, $\$ 1.25$ per doz., $\$ 10$ per 100.

Henry A Dreer. Philadelphia.
Hyacinth - Large assortment hyafor Easter.
Hydrangea - Hydrangea paniculata grandifora, $21 / 2$ to 3 feet, $\$ 1.50$ per 100 , $\$ 8$ per 1,000. 12 Otaksa, red branched, Thos. Hoge, 2 -yr. pot grown, $\$ 5$ per 100, $\$ 35$ per 1,000. Seed Store, Cbicago and New York.

Hydrangea- 3,000 hydrangeas, 75 c to each, for Easter.
Hydrangeas-Hydrangea otaksa.
Godfrey Aschmann, 1012 Ontario St. Philadelphia.

Iris-German iris. $\$ 2$ per 100
H. H. Kern, Bonner Springs, Kan.
ūy-German ivy, 2 -in. $\$ 2.50$ per 100.
Geo. M. Emmans, Newton, N. J.
Iry-Hardy ivies, $2 \frac{1 / 2-i n . ~ p o t s, ~ p l a n t s ~}{}$
4 to 10 in. in height, $\$ 5$ per 100 .
C. A. Knapp, Chestnut Inill, Phila-

## elphia.

Japañese Novelities-Tiny plants in ${ }^{2}$ and 3 -in. decorated Japanese pots, $\$ 15$, $\$ 20$ and $\$ 25$ per 100 . Rhapis, 5 to 15 hoots, 50 c each.
Hinode Florist Co., Woodside, N. Y. Līies-Japan and Harrisii lilies
Godfrey Aschmann, 1012 Ontario St., Philadelphia.
Lilium Longiflorum- 20,000 pots; 12 c per bloom, for Easter.
II. C. Steinhoff, W. Hoboken, N. J.
Lobelia-Lobelia, dwarf blue, $\$ 1$ per
${ }^{100}$ Hill Top Greenhouses, Utica, N. Y.
Marguerites- Two varieties, rooted uttings, $\$ 1.50$ per 100 .

Ludvig Mosbaek, Onarga. Ill.
Ophiopogon - Ophiopogon Jaburan. colden striped, finest plant for dish planting, 3 -in., $\$ 8$ per 100 ; hardy as Aspidistra. Auction April 12.
Albert Fuchs, 2059 N. Halsted St., Chi-
Orchids-Cattleya Mendellii; also Lælia anceps and Oncidium tlgrinum, etc. Write for special list No. 14. Orch
Growers and importers.
Lager \& Hurrell, Summit, N. J.

Lager \& Hurrell, Summit, N. J. Orchid-Orchid Cyprip
Al, $5-\mathrm{in}$. plants, $\$ 1$ cash. ${ }^{\text {Smith }}$ \& Young Co., Indianapolis, Ind.
Orchids-Orchids, per 100: Cypripedium insigne, $\$ 8$; Cypripedium callosum, $\$ 20$; Cypripedium Laurenceanum, $\$ 2 ;$ Dendrobium formosum, giganteum, $\$ 9$ per doz., 10 to 12 lbs ., $\$ 15$ per doz.; 12 to 15 lbs ., $\$ 22$ per doz., 15 Julius Roehrs Co.,

Exotic Nurseries, Rutherford, N. J.
Palms $-10,000$ palms at reduced prices. Kentiat. 3 -in., $\$ 5$ per $100, \$ 40$ per 1,000 ; 6 -in., $\$ 9$ to $\$ 12$ per doz.; 6 -in Kent. Forst, $\$ 12$ per doz; ; 7 -in. Kent., $\$ 12$ to $\$ 18$ per doz.; 8 -in. Kent., $\$ 24$ to $\$ 30$ per
doz. 7 and 9 in. Latania, $\$ 1.50$ to $\$ 2.50$ doz.: 7 and 9 in. Latania, $\$ 1.50$ to $\$ 2.50$
each. Ten large Cycas, 4 to 8 feet, $\$ 5$ each. Ten large Cycas, for to $\$ 12$ feet, $\$ 5$
to $\$ 35$ each; the ten for Chamædorea Wendlandii. eleven feet high, worth $\$ 100$, for $\$ 35$. Final auction April 12

Albert Fuchs, 2059 N. Halsted St., Chicago
Palms, Etc.-Growers and importers, palms and ferns; decorative plants.
Geo. Wittbold Co., 1657 Buckingham Place, Chicago.
Palms, Etc.-Palms, ferns and decorative plants.
John Burton, Assignee for Robert Craig $\&$ Son, Market and 49 th Sts., Philadelphia.
Palms, Etc.-Kentia Belmoreana and
Kentia Forsterlana. $\begin{gathered}\text { Joseph Heacock, Wyncote, Pa. }\end{gathered}$
Palms, Etc.-Latania Bor., 2-1n. pot, seed leaves, $\$ 3$ per 100 ; Latania Bor., $3-$ in. Pot, 15-18-in., $2-3$ chr, lvs. 12 per 100; Latania Bor., 5 -in. pot. $18-20-\mathrm{in}$., $3-4$ chr. lvs., ${ }^{\$ 15}$ per 100 ; Latania Bor., ${ }^{5-1}$ pot, $20-24-\mathrm{in} .{ }^{\text {. }}$ 4 chr. lvs., $\$ 20$ per 100 ; Kentia Bel., $1 / 2-\mathrm{in}$. pot. $6-8-\mathrm{in}$., 2 leaves,
$\$ 10$ per 100 ; Kentia Bel., 3-in. pot, $8-10$ $\$ 10$ ner $100 ;$ Kentia Bel., 3-in. pot, $8-10-$ in., $3-4$ leaves, $\$ 12.50$ per 100 Kentia Bel., ${ }^{4-\mathrm{in} .}$ pot, ${ }^{12-15-\mathrm{in} .,} 4$ 4-5 leaves, $\$ 1$
pherman Nursery Co.. 100. Sherman Charles City, İa.

Palms. $\boldsymbol{E t c}$-Palms, ferns and decorative plants.
R. Drever, Woodside, L. I., N. $\mathbf{Y}$.
Palms-Small palms from $21 / 2-\mathrm{in}$. pots, per 100: Kentia Belmoreana, $\$ 6$; Areca Lutescens, $\$ 4 ;$ Latan
$\$ 3$; Cocns Weddelliana, $\$ 8$.
\$3; Cocns Weddelliana, $\$ 8$. Co., Painesville, $O$.

Pansies- 100,000 now in bloom, extra large field-grown plants; they are the kind that sell; $\$ 2$ per $100, \$ 20$ per 1,000
A. A. Saw yer, 22 S. Harlem Ave., Oak Park, ill.

Pansies-10,000 Giant pansies, strong plants from frames, 50c per 100; \$4 per 1.000. Would exchange for good vari

Frank B. Smith \& Son, 57 Vermilion Danville, 111.
Pansies-Pansy plants, small, 1,000 $\$ 2.60$ per 1,000 .
H. Cunningham, Delaware, 0

Pansies-The Jennings strain, coldframe plants, in bud and bloom, mixed colors; ready April 1. $\$ 1.50$ per 100 Cash with order. E. Bouthport, Conn.
Pansies- 200,000 fine large plants of the famous large flowering Bugnot's, Cassier's, Odier and Trimardeau, 50c per 100; $\$ 3$ per 1,000. Extra larse plants coming in

Hill Top Greenhouses, 15 Gray Ave.,
Utica,
Pansies Rooted cuttings
Ludvig Mosbaek, Onarga, Ill.
Pansies- 100,000 pansy plants, $\$ 10$ per rooted. Unrootedis Carnation Co.,

Pardanthus-Pardanthus, etc., $\$ 2$ per ${ }^{100}{ }_{\mathbf{H}}$. H. Kern, Bonner Springs, Kan.

Pelargoniums-Rooted cuttings, 15 varieties $\$ 25$ per 100
S. D. Brant, Clay Center, Kan.

Peonies-Choice white; strong divided plants, 3 to 5 eves, in quantity. Festiva maxima, 35 c ; Q. Victorla, 12c; Golden Harvest, 20c. Order at once, spring delivery. 503 W . Peterson Ave., Chlcago.
Peonies-Peonies and hardy plants.
W. W. Wilmore. Denver, Col. Petunias-Dbl, petunias, rooted cut inss, 10 finest. $\$ 1$ per 100
tings, 10 finest. \$1 per 10.. Chambersburg. Pa.
Petunia-Double petunias, $21 / 4-\mathrm{in}$.
$\$ 2.50$ per 100
Llldvig Mosbaek, Onarga, Ill.
Petunias-Ifouble petunias, $\$ 3$ per 100 seddlings $\$ 2.50$ per 100
Jos. H. Cunningham, Delaware, O.
Petunias-Double fringed petunla. 100, $\$ 10$ per 1,000 .
W. T. Buckley Co., Springfield, Ill.

Petunias- 10 best sorts, \$1.
Petunias-ry
Byer Floral Co., Shippensburg. Pa
Petunias-20 varieties, $\$ 1.25$ per 100 , 10 per 1,000.
S. D. Brant, Clay Center, Kan.

Pinks-Hardy pinks, six best varjeties
4 -in. pots, 75 c per doz. $\$ 6$ per 100.
Henry A. Dreer. Philadelphia.
Primroses-Primroses Chinese, July 1 delivery, Cunningham, Delaware. $O$

Roses-Crimson Rambler, Dorothy Perkins, La France, $\$ 9$ per 100, for not ess than 25 of a kind. Nowark and Jackson
Roses-The new Roso Wellesley in -in. pots, at $\$ 25$ per loon several thousand Bride and Bridesmaid rate on $21 / 2$-in. pots, $\$ 10$ per $100 ; 1,000$ rate on prilication. Mass.
Roses-We grow over 100,000 annuNly. All the best varieties, at current prices. Send us your order.
Roses-Gruss an Teplitz. Maman Cochet, 2 -year-nld, $\$ 2$ per dnz. $\$ 15$ per 10 Hermosa, 2 -year-old. $\$ 2.25$ per doz., $\$ 16$ per 100: Clothilde soupert and A. Beauty. 1.50 per doz.. $\$ 10$ per 100; Kaiserin Aug. Yictoria and Paul Nevron $\$ 2.50$ ner dnz. 220 100: Crimson Rambler, 2-year-nld, No. 1, \$2 per daz., $\$ 15$ per 100 No. ${ }^{2}$, $\$ 1.50$ rer doz. 50 per doz. $\$ 20$ per 100; and many nther varieties. Chicago and New York.
Roses-We have surplus following varieties: write for prices; 2-year-old own roots: wm. C. Egan, climbing Clothilde Soupert: and Edichuraiana hyhrids Robert Craig, Edwin Lonsdale, Wm. F. Dreer. \& Thomas, W. Chester, Pa.

Roses-Roses from $21 / 2-\mathrm{in}$. pot, clean, healthy stock. Bridesmaid, Bride, Golden Gate and Perle at $\$ 3$ per 100 ; Sunrise, $\$ 4$ per 100 .

Wm. L. Rock Flower Co., Kansas City Roses-Sunrise, Notting, Anna de naise, Magna Charta, Mme. ILasson, Plantier, Chas. Wood, $21 / 2$-in., $\$ 3$; 4-in. $\$ 8$ per 100 . Strongly rooted.
The Leedle Floral Co., Springfield, O.
Roses-Anserican Beauty, La France and Bride. Godfrey Aschmann, 1012 Ontario St., Philadelphia.
Roses-Rose plants. Write for prices on hybrid perpetuals, hybrid teas, teas, climbers, ramblers, etc.
. M. Niuffer, Springfleld, O.
Roses-Roses, rooted cuttings: Chatenay, $\$ 2.50$ per 100 , $\$ 20$ per 1,000 ; Uncle John $\$ 2.50$ per 100 , $\$ 20$ per 1,000 ; Brides maid, $\$ 1.50$ per 100 . $\$ 12.50^{\circ}$ per 1,000 Bride, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 Ivory, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 Perle, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 Roses, $21 / 2$-in. pot plants: Richmond, $\$ 30$ per 100, $\$ 250$ per 1,000 , Rosalind Orr English, $\$ 25$ per $100, \$ 200$ per 1,000 Chatenay, $\$ 4$ per $100, \$ 30$ per 1,000 ; Sunrise, $\$ 4$ per $100, \$ 30$ per 1,000 ; Perle von Liberty, $\$ 5$ per $100, \$ 40$ per 1,000 Liberty, $\$ 0$ per 100,0 per 1,$000 ;$ La Detroit, $\$ 6$ per $100, \$ 50$ per 1,000 ; Uncle \$ohn, $\$ 4$ per 100 , $\$ 35$ per 1,000 ; Kaiserin, $\$ 4$ per $100, \$ 30$ per 1,000 ; Bridesmaid $\$ 3$ per $100, \$ 25$ per 1,000 ; Bride, $\$ 3$ per per 1000 per 1,000 ; Ivory, $\$ 3$ per $100, \$ 25$ per 1,000; Perle, $\$ 3$ per $100, \$ 25$ per 1,000 American Beauty bench plants, $\$ 6$ per American Beauty bench plants, $\$ 6$ per Peter Reinherg
Chicago Feinherg, 51 Wabash Ave.
Rose-Baby Rambler, ever blooming dwarf crimson, $3-\mathrm{in}$. pot plants (graft ed): ready April 15; \$4.50 per doz.; $\$ 35$ per 100. $21 / 2-\mathrm{in}$. pot plants, April delivery, per doz, \$3; per 100, \$20.
New York.
Roses-Young stock of roses ready to ship; from 2 -in. pots: Bride, $\$ 3$ per 100 $\$ 25$ per 1,000; Bridesmaid, $\$ 3$ per 100 $\$ 25$ per 1,000 ; Meteor, $\$ 4$ per $100, \$ 30$ per 1,000: Golden Gate, $\$ 3$ per 100, $\$ 25$ per 1,000: Chatenay $\$ 3$ per 100 , $\$ 25$ per ,000; Kaiserin, $\$ 4$ per $100, \$ 35$ per 1,000 Wietor Brothers, 51 Wabash Ave. Chicazo.

Roses- 1,000 Crimson Ramblers, $\$ 1$ to $\$ 25$ each; 3.000 rose plants, $\$ 6, \$ 9, \$ 12$ per doz., for Easter
N. Hoboken, N. J

Roses - Rooted cuttings Bridesmaid, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 Bride, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 1.000: Ivory, \$1.50 per $100, \$ 12.50$ per 1,000. George Reinherg.

- 1 Wabash Ave., Chicago.

Roses- 60,000 grafter roses for forcing. Delivery April. May, June. Lib\$18 ner 100; Prides, Bridesmaids, Golden $\$ 18$ per 100 ; Brides, Bridesmaids, Golden 316-in mots, $\$ 15$ ner 100
J. L. Dillon, Rloomshurg, Pa.

Roses-Sring sales, Crimson Ramhier, 2 -vear-nld, $\$ 2$ per doz., $\$ 15$ per 100 ; 3 -year-old. \$2.50 per doz., $\$ 18$ per $100 ;$ Drirothy Prikins, 2 -year-old, $\$ 2.50$ per doz, \$20 per 100; Gruss an Teplitz, ${ }^{2-}$ Maman rochet, 2 -year-old, $\$ 2$ per doz $\$ 15$ per 100 : Hermosa, 2 -vear-old, $\$ 2.25$ per doz., $\$ 15$ per 100; Clothilde Soupert, $\$ 1.50$ per doz. $\$ 10$ per 100 : A. Eeanty, doria, $\$ 2.50$ per doz., $\$ 20$ per $100 ;$ P. Neyron. $\$ 2.50$ ner doz. $\$ 20$ per 100; La France, $\$ 2$ per doz., $\$ 15$ per 100 ; and many other varleties.
Vanghan's Seed Store, Chlcago and
Newre
ROE
Roses-Toses, ${ }^{21 / 1}-1 n$. pots, stronk ronchet, \$250 per 100. \$20 ner 1.000. American Peanties, $21 / 4-\ln$ pots, $\$ 5$ per
$100, \$ 40$ per 1,000: $3-1 \mathrm{n}$, pot plants, $\$ 6$ ber 100 , $\$ 50$ fier 1,000
W. Relmers, Station A, Loulsville,

Roses-Easter stock. Bahy Rambler rise. Mmo. Norhert Levavasseur, 1-War-old. fiplit-grown.

Tienry A. Irreer, Inc., 714 Chestnut

Roses-Roses, Ramblers and hybrids.
Roses-Hardy roses.
Ellwanger \& Earry, Rochester, N. Y.
Roses-Now is the time to place your ters and insure getting food stock for planting.

John N. May, Summit, N. J.
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Hill ${ }^{5}$ op Greenhouses, 15 Gray Ave., tica, N. X
Roses-The, fine new pink rose, La Detroit, $21 / 2-1 \mathrm{n}$. pots, $\$ 8$ per $100, \$ 75$ per 1,000. General MacArthur, $21 / 2-i n$. pots, $\$ 8$ per $100, \$ 75$ per 1,000
John Breitmeyer's Sons, Detroit, Mich. Ruapeckia-Goiden Glow, 4-in. pots, 75 c per doz., $\$ 6$ per 100 .

Henry A. Dreer, Philadelphia.
Salvia-Salvia splendens, $\$ 1$ per 100.
Salvia-Salvia, Mrs. C. N. Page, a new scarlet salvia of great merit. Besides possessing more than all the good qualities of other good salvias it can be had in bloom for Thanksgiving and Christmas. Write for descriptive catalogue $2-\mathrm{in}$. pots, $\$ 1$ per doz., $\$ 6$ per
$100 ; 4$-in. pots, $\$ 2$ per doz. \$12.50 per $\begin{array}{ll}100 ; & 4 \text {-in. pots, } \$ 2 \text { per doz., } \$ 12.50 \text { per } \\ 100 . & \text { Iowa Seed Co., Des Moines, Ia. }\end{array}$
Salvias-Salvia splendens and Jean Revenal, rooted cuttings, 75 c per $100, \$ 6$ per 1,000 .

Frank A. Pierson, Cromwell, Conn.
Salvias-Rooted cuttings and plants Ludvig Mosbaek, Onarga. Ill.
Salvias-Six varieties, $\$ 1$ per 100 ; $\$ 8$ per 1,000 .
S. D. Brant, Clay Center, Kan. Salvias-Bonfire and St. Louis, $\$ 1$ per $100, \$ 8$ per 1,000

Humfeld, Clay Center, Kan.
Salvias-Salvia, two best, Lord Faunt-
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Japonica and Gladstone.
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60 c per doz., $\$ 4$ pr $100 ; 9$ to 12 in., 95 c 60c per doz., $\$ 4$ per 100 ; 9 to 12 in. 95 c
per doz., $\$ 7$ ner $100 ; 12$ in. and up, $\$ 1.75$ per doz., $\$ 13$ ner 100. Cannas, good \$3 per 100 Gladinlus, finest mixed 15 $\$ 3$ per 100 . Gladiolus, finest mixed, 150 per doz., $\$ 1$ per lon. And a complete nssortment of all shrubs, vines, bulbs, this line you mipht want. We can and this line you might want. We can and will make it worth your while.
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Privet-California privet cheap, 100 , 000 plants, 3 to 4 -ft., $\$ 4$ per $100, \$ 25$ per 1,$000 ; 21 / 2$ to $31 / 2-\mathrm{ft}, \$ 2.50$ per $100, \$ 17.50$ per 1,000: 28 to 24 -in., 2 years, $\$ 1.50$ per per 1,$000 ; 18$ to 24 -in., 2 years, $\$ 1.50$ per car or large lots, write before placing orders.

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Wistaria-Wistaria, large assortment for Easter plants.
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## Seeds, Bulbs, Spawn, Etc.


#### Abstract

Asparagus-1904 new crop asparagus seeds. Plumosus nanus, 55 c per 100 , $\$ 3.50$ per 1,000 ; Robustus, 85 c per 100, $\$ 1$ per 1,000 . Mor 207 Market St., Philadelphia, Pa.


Asparagus-A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, $60 c ; 250$ seeds, $\$ 1.15 ; 1,000$ seeds, $\$ 4$. Southern greenhouse grown, 1,000 seeds, $\$ 3 ; 5,000$ seeds, $\$ 12.50$. A. plumosus robustus, 100 seeds, $\$ 1 ; 1,000$ seeds, $\$ 0$. Decumhens, 100 seeds, soc, 1,00 seeds, \$4. Comorensis, 100 seeds, $\$ 1 ; 1,000$ secas, New York.

Aster-Aster seed, best German grown: ueen of the Market, $1 / 4 \mathrm{oz}$. $15 \mathrm{c} ; \mathrm{oz} .50 \mathrm{c}$ Victoria $1 / 4$ oz. 50 c ; oz. $\$ 1.75$; Giant Vic toria $1 / 4$ oz. 60c; oz. $\$ 2$; Pzony fl. Perfec tion $1 / 4$ oz. 45 c ; oz. $\$ 1.50$; Semples branching home growth y oz. 20c; oz. 60 . Sep-
arate colors or mixed.
W. C. Beckert, Allegheny, Pa

Aster-kteed 50 c ; $1 / 4 \mathrm{oz}$., $30 \mathrm{c} ; 1 \mathrm{oz}, 1$ Branching or Semple, 1 pkt., $10 \mathrm{c} ; 1 / 4 \mathrm{oz}$. 20c; 1 oz., 60c; 1 ib., \$6.50. Vaughan's upright white branching, irade pkt., 10 c ; $1 / 4$ oz. 20c: oz., 65 c . Vaughan's upright
pink branching, trade pkt. 10 c ; $1 / \mathrm{oz}$. 20c; oz., 65c. New everblooming Aster Ideal, trade pht.. $15 \mathrm{c} ; 1 / 4$ oz., $30 \mathrm{c} ; 1$ oz., $\$ 1$. Vaughan's Seed Store, Chicago and N. Y.
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Bulbs-Ward's high grade bulbs and plants. 17 Ralph M. Ward \& Co.

Bulbs-lHolland bulbs and plants, narcissus crocus spireas , pronias, etc. Special prices French bulbs, Roman hyacinths, Paper Whlte. etc, Van Zanten Bros., Hillegom, Holland: G. Hylkema, care Maltus \& Ware 136 Water St., New York.

Bulbs-Spring or fall dellvery, for orisis use. We import to order, bulbs and plants. August Rolkers sons,
ermuda Harrisii bulbs. Juiy
Bulbs-Bermuda Harrisii bulbs. Juiy and August delivery

Chas. A. V. Frith. Hamilton, Bermuda
Cabbage-Seed Early All Head, $20 c$ per : 60 c per $1 / 4$ lh. Store Chicago an Vaughan

Caladium-Caladium, 5-7-in. circum ference, 40 c per doz., $\$ 2.50$ per 100 . $7-9$ 1n. circ.. 60c per doz. $\$ 4$ per $100 ; 9-12-$ in up, $\$ 1.75$ per doz., $\$ 14$ per 100 .
Vanghan's Seed Store, Chicago and N. Y
Celery-seed White Plume and snow White, 10 c per pkt.; 15 c per $1 / 2$ oz.; 25 c per oz.
aughan's Seed Store, Chicago and W
Egg Plant-Seed of New York Im proved, 1 pkt., 5c: $1 / 2$ oz, $15 \mathrm{c} ; 1$ oz., 25 c aumhan's Seed Store, Chicago and N..Y Gladiolus-Gladiolus in varlety.
W. W. Wilmore, Denver, Col.

Fern Balls-Japanese fern balls, 5-in and 7 to 9 in. sizes.
andraughan's seed store, Chicago and ew York.
Gladiolus-Gladiolus Angele, 90 c per doz., \$6.50 per 100: Augusta, 50c per doz., \$3 per 100, \$26 per 1,000; Brench esensis, 20 C per doz., $\$ 1.35$ per 100 $\$ 11.50$ per 1.000 Ceres. 20e per doz. $\$ 1.25$ per 100, $\$ 10.50$ per 1,000: Eugene Scribe, 70 c per doz., $\$ 5.50$ per $100 ;$ Mme Moneret, 20c per doz. $\$ 1.50$ per 100. New York.

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## TWENTIETH YEAR.

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## SOCIETY OF AMERICAN FLORISTS AND

 ORNAMENTAL HORTICULTURISTS.Officers-J. C. Vatoran, Chicago, president; R. Freeman, Washington, D. C., vice-president; WM. J. Stewart, Il Hamilton Place, Room Gity. Pa., treasurer Twenty-firstannual meeting at Washington, 1. C., Angust, 1905.

THE AMERICAN CARNATION SOCIETY Annaa! convention at Boston, 1906. ALbert M. Herr, Lancaster, Pa., secretary

AMERICAN ROSE SOCIETY.
Annual meeting and exhibition, Boston, Mass. Marcb, 1906. W M J. Stewaft, 11 Hamilton Place Boston, Mass., secretary

AMERICAN PEONY SOCIETY Exhibition at (Thicurathout dune 15 . Artater M. Fewkes, Nowthm Hiofhlands, Mass, sercetary exhibition mal nat qel

## THE <br> AMERICAN FIORISI



SPRING VIMBER
April-15. 190.5

Society of American Florists.

## TIIE TRADE EXHIBITS.

The following editorial note appeared in our issue of March 11 and subjoined comments from prominent trade firms and exhibitors have been received with regard to it:
The elaborate and expensive trade displays made by various concerns at the annual conventions of the Society of American Florists are worthy of more substantial
reward than mere mention in the society's reward
reports.

To summarize the matter bricfly, I would stabe that with the extensive ex. hibits which we have annually made at the exhibitions of the Society of American 「lorists, we fully realize and appreciate the expense connected with same, esperially so when the place of meeting is at distant points, making it vecessary to ship the more tender stock by express, to which must be added the cost of floor space, which in a large display is not a small item. However, I would, by no means, endorse a poliey which would offer a cash premium for a trave display. The object of such a dis. phay is to show samples of actual stock that the individual gromer has to ofler, and. while in some instanes the plants may not be of smoh quality as to compete for premiums if the grower is hon est in his intentions, the samples are representative stock of what he has to offor and the price at which he sells may he an inducement to the buyer, and yet dishar him from the possibility of competing for a premium. What the society wants to do, in justice to the trade pahbitors. is to remove the restrictions of keeping the exhibition ball open but a few hours each day. As noted above these exhilits are mate at the sarifice of plants, money and time, and sime the exhibit hours have bern rastricted to a limited time these displays hare not hern worth the expensp to the one making the display. I personally bolieve that if this proposition was left open to be decided by the same gentlemen throngh whose efforts this clanse was inserted in the rules of the sonietr, they wonld becide to return to the old method of permitting the pxbibition hall to remain open throughout the entire perion of the convention.

It has bern said that the exhibition hall intracts from the regular daily mectinus. I ramont agre with this. Look up the daily attendanee during the early history of the society and you
will find that there was a much better attendance than now. You cannot blame any florist when he goes to the convention hall aud finds a itry essay being real on a subject in whim be is not interested, to drop ont and spend his time in the exhibition ball where he has an opportunity to inspect and learu and educate himself on subjects which actnally are interesting anil which mean also dollars and cents for him. Jestricting the exhibition lloes not fill your meetings. The man I speak of who makes up his mind to go to the convention hall, and if not interested drop ont, simply looks up other amusements and loes not come either near the meetings or the exhibits.
This is a matter that is morthy of consilerable attention by the directors of the socicty, in which they will mant to consiller that the exhibitors side, which has hecome sueh a great feature in comncotion with the anmual conventions, deserves consideration.

## T. I. Eisele

The question is som what far-reach ing. The trade exhibition has become sueh an important factor ami is an ele. ment of such strongth in the national mpeting on aceoment of its varied char. aeter and large assortment of coods set hefore the trade, that it mould seen as if something more substantial than mere mention in the tralle papers, and in the repords of the meeting of "so and so"s exhibit." was right and proper. On the other hamd, it seems that the local society that invites the national meeting uses the laree exlibitors for its peeuniary benefit to a prtain extent. If a peremtage of the mones pail in by the different oxhibitors for space allotted them conlt the used as gratuitios, or for the purchase of ralualble medals, it would sapm nothing more than right. Hownery, thic is a quastion that requires ant shouk receive the areful ansidmatime of the pacotive rommitton of the societs. The writer thomatit aut has only notel his impressions. IV. H. Hile

Wo quite agree with you in regard to trale diepenys at the concention; we feel and know that the exhibitors go to a urat doal of trouble and expense to mak, the convontions a success and certainly think that they are entitled to morn than a mera mention in the trade papers. It is well knomin that the
trade exhibits bring a great many people to the convention who would otherwise not attend, and to merely give note in the journals, is not treating the exhibitor fair. We feel that there should be some substantial reward given by competent judges on the
wards, but we do not think the nature of the reward itself is as much to be desired as the mere fact that the display made may obtain the certificate, or diploma, or first prize, or reward, or whatever may be given by the society. This, we think, is far more to be desired


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merits of the goods, style and effectiveness of the display; a more substantial offer in the way of a prize, would, no doubt, instill keener competition, which no doubt, Would be beneficial to the society.
M. Rice \& Company.

I am of the opinion that meritorious exhibits of any description are worthy of some substantial reward. Just what such reward should be, I would not be prepared to say, without considerable refinite information as to how efforts to reward trade clisplays in the past have succeeded. If we may believe the papers, the awards made at the st. Louis exposition have proved very unsatisfactory. If certificates of merit, honorable mentions and gratuitics could be dispensed under such conditions as wonld prove satisfactory to exhibitors in the main, I should strongly favor such rlispensation, but, on the other hard, if engaging in a seheme of that kind would eventually learl into dissensious and bickerings, I would have my coubts ahout its expediency.
C. W. Ward.

It is carticinly the that many of the trame rahibits it the annual conven tions of the Sorinty of Ameriman 17orists are clahorate imd very costly. The reward, however, to our mind, comes in the improssion that these exhibits proluen on the florists and the business and sales whinh mily result from such mxhibits, rather than the possession of corfificatos of merit, or other evidences of the sneiety's approval. We do not know as to what you have in your mind with reforeare to more substantial re-
than the intrinsic value of the reward The Herendeen Manufacturing Co.
"Blessed is he that expecteth not much, for he surely will not be disappointed.' The writer would, of course, apreciate very much something substantial in the way of a nice prize but we have been contented with what has been done for us, or rather with the ap-
preciative manner with which our exhibits have been received. Our exhibits at Society of American Florists, conventions have brought us business ample to more than pay us for our trouble in exhibiting.

## Foley Manufacturing Company.

I believe that if the society would offer more suitable rewards to the exhibitors, it would spur them en more and they would feel more satisfied with the prizes distributed than with only an honorable mention, etc., as used here tofore.
a. Herrmann.

We are entirely of your opinion regarding more substantial awards for exhibitors at the convention exhibitions.
H. Bayersdorfer \& Company.

The very reason I quit displaying my goods at conventions.
E. Hippard.

## Lewis and Clark Exposition.

 BURBANE TO EXHIBIT.Weeds are weeds because they are jostled, crowded, cropped, trampled on, scorched by fierce heat, starved, or perhaps suffering with cold, wet feet, tormented by insect pests, or lack of nourishing food or sunshine. There is not a weed alive which will not, sooner or later, respond liberally to good cultiva tion and persistent selection. A day will come when the earth will be transformed, when man shall offer his brother man not bullets nor bayonets. but richer grains, better frults, fairer flowers.號 ountry road in Massachusetts some forty years ago, he might have seen a small, slight lad searching for something in a potato patch. If he had stopped to watch, he would have seen the boy throw himself down on the ground and weep bitterly because he could not find that for which he searched. And the traveler would probably have been greatly surprised, if he had asked, to find that what the boy was searching for was not a stray penny, or a long-cherished Barlow knife, but the pod from one of the potato vines.

After several days' search Luther


BURBANK'S THORNLESS CACTUS.
(This cluster weighs about 900 pounds.)


BURBANK'S SHASTA DAISY.

Burbank found the potato pod. It was a pod from the then famous Early Rose potato. Potato pods are not common. Burbank had read that they were very rare on the Early Rose vines. From the one he found, he planted the seeds, and one of the seeds produced a potato which has since been famous as the Burbank potato. The boy sold the potato to a New England seed merchant, and went west, locating at Sebastopol, Cal., about seven miles from Santa Rosa. On his farm there he has grown a cactus that has no thorns and many other strange products which have made his name famous among horticulturists, and, more recently, well-known to many people who could not tell barley from wheat except by the taste. And the best part of it all is, that everything this marvelous man produces must be of practical value before he considers it worthy of being given to the world. Thousands of plants are yearly destroyed because his labors to improve them have proved vain.

Luther Burbank has been conducting his plant-breeding farm in California now for thirty years. His fame has spread until every marketable product he produces is now eagerly sought for by gardeners and horticulturists. Yet the cost of conducting his farm is every year more than the revenue, and the inventor may die poor. Andrew Carnegie has recently come to his assistance by providing $\$ 10,000$ a year for ten years to enable him to carry on his experiments on a larger scale.

Burbank is deseribed as a man of quiet, unassuming ways, who is anxious to live his own life and do his own work without the interference of the curious. He lives simply, in a vine-covered cottage, and is regarded by his ignorant neighbors as a harmless idiot. While still in the prime of life, he is thin almost to emaciation, and his white hair gives him an appearance almost of venerability. He has no laboratory, no workshop, no scientific instraments, no assistants. All there is at Sebastopol is the earth and the man, but the earth and the man have produced marvels that are attracting people from far and near. In order to discourage the mercly curious, who formerly took up
a great deal of his time, Mr. Burbank now charges interviewers $\$ 10$ an hour.

Luther Burbank will, for the first time, make a complete exhibit of his strange plant products, at the Lewis and Clark Exposition. The exhibit will contain all of the more famous products, and is sure to be found of unusual interest. It will be one of the most noteworthy attractions of the western world's fair, which will have, besides, many other things well worth making the overland trip to see.
W. E. Brindley.

## Azaleas and Crimson Ramblers.

The public taste for Easter plants and flowers is becoming more varied each year. Some years ago little was heard of but lilies and other bulbous flowers, with perbaps some spiræas and some few other scattering items; but now all this is changed and in Crimson Ramblers alone an immense business is done. This ought to be a very favorable season having these for Easter in fine condition. Although Crimson Rambler can stand a good deal of forcing, much better foliage and flowers will be obtained when only as little
fire heat as need be is given. The same with azaleas, and more so, with regard to the duration of the time they remain in bloom. Now as to the rela. tive merits commercially of these two it seems to bo all on the side of the rose and the advance accounts we hear seem to point to a very large demand for them for the coming festive season.
M.

## Easter Lilies.

The date on which Easter falls is a matter of very great importance to growers and more so perhaps to growers of lilies, and the results of the calculations made by these growers will be not only interesting but intensely instructive to those not long in the business. That some will be abead of the season there is little doubt but there is sufficient time still to retard the development of lily blooms, although if the same bright sunsbine experienced in the eastern part of the country is general it may be harder to keep them back than was supposed. For lilies appearing to come in abead of time a very cool house is necessary, with something in the way of shade, removable at will, in addition. One grower goes as far as to say that be found by putting lilies in a cool house slightly shaded the blooms were much improved in color, but shade when heat was required to force the plants had the opposite effect on the flowers.

By giving the plants all the room possible, and air, their general appearance will improve and this treatment will arrest their progress somewhat.
D. M.

## Colorado Society of Floriculturists.

The Colorado Society of Floriculturists held its annual meeting in the rooms of the State Board of Horticulture in the state bouse in Denver, March 24. There was a large attendance and the enthusiasm displayed showed that the florists of the state are awakening to the value of such meetings. The papers read were: "The Propagation and Culture of Roses under Glass,', by J. A. Sked; "Colorado Soils,"' by Prof. Longyear of the State Experiment Station; "Hardy Roses and their Usefulness for Various Phases of


BURBANK'S HOME AT SANTA ROSA, CAL

Gardening,' ${ }^{\prime}$ by .Tohn Berry, and "Dahlias; Past and Present," by IT. W. Wilmore, the well known dahlia specialist.

The discussions following these papers were very interesting, especially upon the manner of caring for hardy roses in winter, and the destruction of insects pests. The discussion concerning growing American Beauty roses a second year under glass, brought out the fact that Bernhard Boldt had exceptional success in that line the past season. A vase of this variety exhibited by Mr. Boldt grown from these two-year-oll plants were a fine lot.

There was a fine exhibit of carnations and roses. The Colfax Avenue Floral Company. N. A. Benson, Mrs. R. Maufi, E. E. Peterson, Bernhard Boldt, and The Park Floral Company, all of Denver, and J. B. Braidwood of Colorado Springs, were exhibitors. Two plants of Adiantum cuneatum and A. O'Brieni attracted universal attention. They were grown by Robert Kurth, foreman for The Colfax Avenue Floral Company and were very handsome specimens. A vase of Adonis carnations staged by $E$. E. Peterson was good enough to travel in any company.

The newly elected officers are as follows:
J. A. Valentine. Denver, president; Wm. president ; G. Fleischer, Puebio, second vicepresident; G. Fleischer, Puebio, second viceN. A. Benson, 1352 South Sherman avenue, Denver, secretary.

The by-laws were amended making florist employes eligible to membership and changing the date of annual meeting to the second 'Tuesday in February each year.

Hankinson, N. D.-W. W. Lilley has transferred his interest in the Hankinsen Nursery Company to Charles Hein. The former will remain in Hankinson and start a nursery of his own.

Tampa, Fla.-Anton Fiehe has resignerl his position as head garlener at the Tampa Bay hotel, and with W. E. Dorchester will engage in the general floral and laniscape business under the firm name of Tampa Floral Company. A range of glass will lje put up right amay.

## THE CARNATION.

## California Carnation Cuttings.

Ed. American Florist:-
Yon recently requested your readers to give their experience with caruation cuttings from California. At different times I have bought carnations from California concerns and I have had just as good success with them as with cuttings taken from our own stock in Pennsylvania. We rooted 98 per cent of a lot of cuttings received frem California some time ago, without bottom heat.

George A. Liinfoot.
With E. M. Holt \& Company, Butler, Pa.

## Spring Treatment.

The winter season has now partly passed away and the extra sunshine which comes with approaching spring gives new life and vigor to the plants. This makes it necessary to water more frequently than a few weeks ago, also the airing of the houses should be carefully watched to guard against thrip and red spider which quickly put in their appearance if given the least chance. On all bright days the steam should be taken off early in the morning and the ventilators raised gradually at intervals to prevent the temperature of the house from running up above 60 degrees before ample ventilation can be given. There are times when the inside temperature will rise very quickly and still the outside atmosphere be too cold to permit of raising the ventilators very much without causing a cold draught. At such times as this the steam should be cut off and with a small amount of ventilation the temperature of the house can be governed.

The plants can now be given syring. ings tro or three times a week during bright weather. This should be done early in the day to allow the sun and air to dry the plants thoroughly before night, and when syringing avoid wetting the bloons or the half developed buds, the body of the plants being the part that needs this attention.

There are several little points that


HOUSE OF LAWSON CARNATIONS AT GENY BROTHERS', NASHVILLE, TENN.
need more than passing mention at this time of the year and one of them is that of cutting the blooms. There is quite a difference between now and a few weeks ago in regard to this part of the work. To have the flowers keep well and to prevent the colors from fading out they should be cut when they are a little beyond three parts developed and placed in water as soon as possible even if this has to be done at the cost of cutting mere blooms than the demand calls for. They will keep as well cut as on the plant and the plants are better off for it.

The soil in some of the beds that have been doing business all winter is likely to be run down by this time which can readily be seen by the flowers becoming smaller. To remedy this where it is the intention to carry the plants as long as possible into the summer, a mulch should now be put on consisting of well rotted cow manure and fresh soil. A dusting of bonemeal can be spread over the beds first as a further nourishment and the material used for the mulch should be in a dry state; using any thing frem the outside that has been laying out all winter and is very wet will prevent the soil of the beds from drying out properly in addition to introducing a crop of greund worms.

Where the beds do not show any signs of being exhausted liquid manure can be continuously applied about once a week to keep the plants and blooms up to their proper standard.

Varicties like Mrs. Lawson and Enchantress will soon begin to show the effects of the bright sun by the color commencing to fade before the blooms are half open; to guard against this a light shading should be put on the glass but only enough to break the strong glare of the sunlight. A dense shade as early in the season as this will do more harm than good by causing the plants to make a soft growth and the inside of some of the blooms to rot.

Any propagating still to be done for this season rust now be attended to without delay as the time is very close when it will be found more than diffcult to turn out a successful batch of cuttings, not taking into considera. tion the fact of it being late for many of the varicties to make large enough plants for early blooming next fall; also any cuttings that are rooted in the sand now should be put into soil as soon as they have roots enough, the growth after rooting being very rapid. At this time it takes but a little while before they become spindly and the vitality sapped out of them.

The young plants already in pots must also receive very close attention. Those that were propagated early should now be shifted into larger pots. If potted in January or early in February, into 2 -inch pots, they will at this time need to be shifted up into threes, using a fresh soil but ne manure; the main idea is to keep up an active growth but not a soft succulent one. A young carnation plant shows the effect of being held too long in a small pot abeut as quickly as any kind of a plant; the leaves take on a yellow appearance and the stems get woody and the bark begins to crack and when they approach this stage they are getting beyond redemption so far as making a healthy plant is concerned. This young stock does not need a high temperature but should be kept as cool as possible, to
allow them to make sturdy growth; a temperature of $40^{\circ}$ to $45^{\circ}$ at night and all the light and air they can get during the daytime without drying them out too much is the ideal condition for them. Attention should also be paid to keeping them topped back as soon as the growths are long enough to safely handle. Another very important point is to keep the insect pests away from them by fumigating on every favorable occasion.
C. W. Johnson.

## Carnation Melody.

The accompanying illustration shows the new Daybreak pink carnation, Melody, a sport from Lawson, which will be introdnced to the trade in 1906 by the W. C. Hill Floral Company, Streator, Ill., and the J. D. Thompson Carnation Company, Joliet, Ill. It originated at the former's place in 1903 and has shown no tendency to revert to the Lawson type in color. The two varieties can hardly be distinguished, growing side by side, except by the color and the longer stem which Melody shows earlier than Lawson. Blooms have been cut in November, measuring $33 / 4$ inches with stems fifteen to eighteen inches long. It is said to be a good traveler, a good keeper and able to hold its color well.

There are no splits among them at the Streator greenhouses, and the temperature in which the new variety was growing through the severe winter generally being around $50^{\circ}$. Lawson is not running out with the W. C. Hill Floral Company and next season three of them will be grown here, viz., Melody, White Lawson and dark pink Lawson.
T.

## About Red Sport.

Ed. American Florist:-
We have had numerous inquiries from parties who have purchased rooted cuttings of Red Sport, of Maceo, and from others interested in the variety, as to the best method of culture for this carnation to insure a full crop for Christ. mas, which we should be pleased to answer through your valued paper. Fair success may be obtained with this variety from field-grown plants if housed by July 25, but it takes good cultivation in the field to make large plants by housing time, and after the plants are brought in, they take hold very quickly.

Red Sport is the ideal carnation for all house culture, which fact we accidentally discovered. We had a batch of it taken from the sand too late to plant in the field, so they were planted from thumb pots to the bench in June. This batch gave us an average of better than two fine blooms to the plant for Christmas. Plant in a moderately enriched compost, $8 \times 10$ inches apart, on the bench, and as soon as the plants begin to make a good growth muleb with balf an inch of leaf mould or well rotted manure. Keep well stopped back until September I, by which time the plants will have made fifteen to twenty-five strong leads, a large proportion of which will bloom around the Christmas holillays and during the winter months. We grow it in a night temperature of $52^{\circ}$; the variety requires thirty-six incbes of head room.
A. B. Davis \& Son.


CARNATION MELODY. The Daybreak Law

## Hybridizing Carnations.

[Read before the Gardeners' and Florists' Assoclation, Toronto, Ont., March 21, 1905, by George Hollis, of Toronto.]

Your secretary having written to me for a paper on hybridizing, I have done my best to comply. I grow quite a few carnation and cbrysanthemum seedlings every year and so far have met with some success and hope to get higher up the ladder before I give up. I should like to see more growers take it up. We in Canada should be able to do something to hold up our end and bring out a variety that would be a credit. Raisers of seedlings must not be disappointed in not getting anything good the first year, the second or even the third, but after that he should have some success. In the first place he must make a start and the plants raised the first year should be the foundation of the seedling stock. The color of the flower does not matter much, provided the plants are strong, with stiff flower stems and an upright growth, the flowers not very full in the petals and the calyx non-bursting.

Select the plants pou mean to seed as above. Take the pollen from some bealthy, strong growing plants, never wesk, puny ones. Nor is anythiug gainell, I think, in getting all the new
ones to work with unless some new variety would give you some adrantage in vigor, also size in blossom. But with good judgment in selecting your seedlings, it is better to work with them.

During the dull days of winter it is not so easy to cross the flowers as in the warm, bright weather of early summer, as many varieties have no pollen till warm weather sets in. Having selected the bloom you wish to seed, take out the pollen anthers before they burst. The petals should not be cut off, and two days after, the pollen can be put on the pistil, bringing it to the flower with a pair of small forceps. Do this about noon when the sun is shining, and if successful by next day the bloom will close. If not, repeat. After a few days pull the dead petals ont. Some varieties will not seed, but the pollen from them in nearly cvery case is ronderfully effective.

Label your crosses anil keep an account of them. When the seed pods show signs of bursting, qather and put each in separate paper aml keep in a tin box in a cool, irry place, till sowing time. The hest time, I think, is February. The seedlings can be grown in pots or flats amb planted outside in May. Do not stop the seellings. Let them flower aml do not be afraid to
pull the bad flowers and the poor growers out, and after planting inside you will have zuore to pull out. Out of 500 you unay eud with twelve or less. Cross them again and sow. Select and house as before and propagate any you think are worth saving. They may be good as seedlings, but when grown from cuttings they may be far from good. Carnations as grown for cut flowers have practically no rest. The cuttings taken cannot, in a sense, be called new plants, as they are only a brauch, so to speak, off the old plants and if over propagated or badly treated a good kind may soon be ruined. So seedlings of extreme vigor are what are wanted. If propagated and grown with care, when put on the market they should keep in health and vigor for many years.

The last two years I have lost mostly all my seedlings by being flooded when planted outside, and this year I have to work up a new stock. I am using some singles which I hope will give me some vigorous plants to seed next year. Some will say that to use singles is going backwards but in my opinion it not so. There are some grand varieties sent out this year, but there is room for something better and 1 hope this small paper will induce all your carnation men to try for the top.

## MARKET GARDENS.

Grand Rapids, Mich.-Grand Rapids has 500,000 feet of glass under lettuce. They produce 1,000 tons annually and this year the crop will be valued at $\$ 180,000$. The cost of production is about 8 cents per pound.

## Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 1 were as follows: New York, cucumbers, No. 1, $\$ 1.25$ to $\$ 1.75$ per dozen; No. 2, $\$ 2.50$ to $\$ 3.50$ per case; lettuce, 75 cents to 90 cents per dozen; unushrooms, 25 cents to 60 cents per pound; radishes, $\$ 3$ to $\$ 4$ per 100; tomatoes, 10 cents to 35 cents per pound; rbubarb, $\$ 2$ to $\$ 3.50$ per 100
bunches. Buffalo, cucumbers, $\$ 1$ to \$1.50 per dozen. Cleveland, mushrooms, 30 cents to 50 cents per pound. Minneapolis, cucumbers, $\$ 2$ per dozen. Pittsburg, cucumbers, $\$ 1$ to $\$ 1.50$ per dozen. Detroit, cucumbers, $\$ 2$ per dozen; lettuce, 13 cents to 14 cents per pound. St. Louis, cucumbers, $\$ 1.50$ to $\$ 1.75$ per dozen. Chicago, mushrooms, 30 cents to 45 cents per pound. Denver, cucumbers, $\$ 2$ per dozen. Cincinnati, cucumbers, $\$ 1.50$ to $\$ 2$ per dozen. Kansas City, mushrooms, 45 cents per pound.

## Easter Stock in Philadelphia.

The plauts that the growers have to offer for the Easter trade appear to be of about the same in variety as those of the past few years. There are no novelties, or so few that they have escaped our notice. We might except the Baby Rambler rose, which is to be seen in limited quantities, but the regular Crimson Rambler has it distanced if the few specimens already in of the new one are any criterion.

There is not much doubt about the star of the collection, the lily. There will be plenty of them and good well grown stock, but there are also many disappointments and much loss in some cases. Many of the growers complain that they do not get the varieties they order, and others complain bitterly of the results after good room had been taken up for from two to three months, much of the stock having been thrown out. One lot had produced quantities of buds, six to ten per plant, but they were all blighted and burst as they opened, showing the stems to be black. The roots were also in very bad shape. In others the plants were very short, looked healthy but would not start up. In these and larger or taller stock but one or two buds were set, which did not pay.

Some say the hulbs are at fault while others declare it is the treatment. Seedsmen will direct a complaining customer to a lot grown by a successful neighbor, the bulbs having been in the same shipment as his and delivered the same day. Some houses of lilies will look all right with the exception of one bench,
which, while receiving the same treatment as the others, is practically worthless. So there you are, and now for the rest.
W. K. Harris' establishment is crammed with choice stock, undoubtedly the largest and most varied assortment in the city. There are houses of hydrangeas and bouses upon houses of azaleas. Some specimen bydrangeas are enormous, surely, the largest we have ever seen. When in full flower they will be really gorgeous, as they carry at least fifty to sixty heads of bloom and the diameter must be over six feet.

Bougainvilleas, plants from three to ten feet high, are better than ever. Mr. Harris was the first to see merit in this plant for Easter and still grows it in large quantities. A section given up to deutzias was filled with very well budded stock, which will be clouded with white blossoms at Easter, some of the plants being very large. Genistas in all sizes -another Harris specialtyare in good shape. Some 7 -foot specimens are not to be seen elsewhere. The azaleas are a great lot. A number of pans made up of smaller stock, three, four, and five plants of one variety togetber, have a Harris touch and are very attractive. There are also houses of Crimson Ramblers and quite a lot of the Baby Rambler. Of this latter they think it is a comer. Plants that were in flower about Christmas and cut back to the pot for stock have shot up again and are now very bushy with quantities of flowers. A house of Spiræa Japonica looked just right. There are rhododendrons, well shaped plants, a house of lilies, some three thousand plants of which but five per cent were thrown out.

Boston ferns are here in quantity, the regular simon pure variety, the Harris broad crimped leaf type, very distinct, and Scottii, which is much favored. A house of Pandanus Veitchii and another of Dracena terminalis were very well colored.

A variegated bougainvillea is very showy and appears to be a strong grower. We might add that only three varieties of azaleas are grown for Easter, Bernard Andre alba, Mme. Van der Cruyssen, and Prof. Walters.


Robert Craig \& Son are strong on Ramblers, the plants being simply perfect and apparently exactly right in point of time. Two houses of Spiræa Gladstonei will be hard to beat, the plauts being exceptionally set with buds.

There are about ten thousand lilies, from single plants to made-up pans, which look very well. Azaleas are also seen in large quantities in the best trade sizes. A large house of genistas is particularly noticeable on account of the shapely appearance of the plants, which will no doubt prove very salable. The same may be said of small and medium sized pyramid specimen bougainvilleas. These are very woll budded, the finest of the size we have scen. Hydrangeas are also here in quantity, well budded stock. Dracæna terminalis, Pandanus Veitchii, crotons, and a large stock of kentias and arecas make up an assortment of decorative plants that are also in demand at this time.

Jacob Becker's lilies are as nice and healthy a lot as it seems possible to grow. There are two houses of these, a house of azaleas, and another of hydrangeas, his three leaders. We must not forget his roses, as a house is filled with fine plants in 6 -inch to 8 -inch pots of Paul Neyron, Magna Charta, Soupert, La France, Rambler and American Beauty just right for Easter. In addition Mr. Becker has 30,000 coming on for spring sales, all the most popular sorts. He is easily the largest grower of pot roses for market in the city.

George Carpenter has two houses of lilies in good shape and the same of hydrangeas, the latter very perfect plants. He has also a large lot of hyacinths.
K.

## WITH THE GROWERS

Lischey Nurseries and Greenhouses, Nashville, Tenn.
One of the oldest establishments at Nashville, Tenn., is the Lischey Nursery and Greenhouses located on the street car line on the east side, corner of Lischey and Mile End avenues. Long before there was any car line or a demand for flowers in this city Louis C. Lischey had a flourishing nurscry and sold all kinds of ornamental trees, shrubs and incidentally flowers. The nursery was established in 1854, and was one of the pioneers of the business in this locality, and the place has always been prominent as a nursery.

Louis C. Lischey died some years ago when Joe Browne, the present proprietor, became the possessor of the place and still conducts a successful business. He does a general business of cut flow. ers, selling roses, carnations and other flowers and furnishes floral designs of all kinds. He has never had an uptown store but finds a ready demand and sale for all his products in the sales rooms of the greenhouses. He is one of the few nurserymen and florists of Nashville who gets out a catalogue, gotten up in very creditable style and which is sent largely to the south and over Tennessee and Kentucky. Each year the proprietor grows for the market 50,000 bedding plants which he has no tronble in disposing of.

The place contains ten acres just outside the corporate limits of Nashville

floral designs at funeral of late senator bate.
(Remains lying in state at Nasbville, Tend.)
and is covered with plants and shrubs. every foot of space being utilized to produce the best results. The range of greenhouses consists of about 20,000 square fect of glass in cight houses, the largest of which are devoted to the culture of roses and caruations. Aside from this range of houses there are a vast number of cold frames, in which are grown violets, verbenas, pansies, etc.

At present the proprietor contemplates the erection of only one new house, which he thinks will be sufficient for his purposes at present. This house will he $20 \times 100$ feet. The place is watered by pumping from a never failing well, into large tanks, which give an abundant supply at all times.
M. C. Dorris.

Anton Schultheis, College Point, N. Y.
The establishment of Anton Schultheis is particularly interesting to visitors just now. His preparations for the Easter trade have been as usual, on a large scale. There are to be seen five houses of azaleas in tip-top condition, several houses of lilies which will reach the holidays in good shape, four houses of Rambler roses in a variety of forms and splendidly grown, and several houses of bulbons stock in varions stages with the Easter stock in guarantee form. There is also a good stock of hydrangeas, including the blue variety, Hydrangea azurea, which fill a whole house. The plants are in fine shape for Easter, and run from plants with two or three flower heads to as many as fifteen.

In the mixed houses are to be seen a fine display of bougainvilleas, in sizes running from the smallest to 6 -year old or older plants. A leading specialty here is the wallflower which is seen in 6 -inch and 7 -inch pots exceedingly well flowered and dolightfinlly fragrant. The individual flowers are large and brilliantly colored in varions shades of searlet and crimson. Fine stocks of ericas and genistas are also ennspicuous.

## New York.

MAREET CONDITIONs stagaint.
The market continues dull, and there is considerable difficulty experienced in 'leaning' up. The influx ot stock is increasing and values have no chance to risc. In wo particular line of produce can there be said to be strength. Roses are extremely weak, and in most transactions grading is lost sight of, and lot buying seems to be the order of the day. Anmerican Beanty is to be seen in quantity at the street corners in the hands of street men who retail specials at prices varying from 15 cents to 25 cents according to quality and freshness. Bride and Bridesmaid roses are passed along at prices which make 5 cents the top on selected specials.

Carnations move perhaps best of all, if there is any best, but the finest varieties do not seem to find buyers at better than 3 cents. Enchantress and Lawson when good are sold all around as low as I cents, while common varieties are about bottom at 50 cents.

There is no dearth of bulbous stock. It is hard to get more than $\$ 1$ per 100 for tulips, and jonquils are arriving in such immense quantities from the south that the price is borne down below 30 cents per 100 , making inside stock hard to dispose of at the higher figures expeeterl for it. Violets are a little less plentiful, and the quality is going ofir, the balance giving them a little advantage as regards price.

Quite a few gladioli are coming in and move slowly at 5 to 10 cents per spike. Sweet peas are druggy, prices running from 60 cents to $\$ 1$ per dozen bunches. Lilies are getting quite plentiful, but do not go off well.

## xotes.

The remainiug stock of Sigmund Geller will be snla at receitrr's anction sale Friday and Saturday of this week. A new conearn has just heen incorporated under the New York laws to he known as the Geller Florist's Supply Company, with a capital of $\$ 1,000$. F . Rimhards and S. Riphards, of Erooklyn,
and C. Geller, of New Tork, are named as directors.

Next Monlay night, April 10, is naned as Easter plant night at the New Fork Elorists' Clab. Quite a number of exhibits are expected.
W. H. Siebrecht and Bonnott Brothers, of the New York Cut Flower Exchange have put in a private telephone for their joint use.

Roberts \& Grunewald the Columbus avenue Horists have dissolved partnership. Mr. Grunewald continues the business.
V. Zuber, of Flusbing, is sending in fine Brunner, Baroness, and Hermosa roses to Alfred H. Langjahr.

The Hinode Florist Company is preparing to build two new greenhouses at their Whitestone establishment.

## Chicago.

## THE MARKET.

The street fakirs as well as the downtown store men who make a specialty of bargain sales have certainly been in their glory during the past few days, immense quantities of medium and lower grades of stock being turned over to them. Dealers, during the early hours of the week were inclined to hold to figures that would at least give the grower somewhat of a show, but supplies continued to pile up to such an extent that the man behind the counter was compelled to bow to the inevitable and allow the buyer to dictate prices. This house cleaning, however, had a tendency to improve conditions somemhat along the line of better grades. With distance shipments of American Beauty coming into some of the houses there has been a plentiful supply of this rose, but as is nearly always the case on this market, they move at a price when other roses go abegging. Large consignments of southern outdoor narcissus, iris, etc., are to be seen and are placed only through forced sale. Eastern shipments of violets have slackened up to a considerable extent and as a result some houses say they could bave moved more of them during the past few days. Notwithstanding this shortage, prices did not ascend to any extent.

Notes.
Sani Pearce has an extensive stock of lilies, about 14,000 in excellent shape for Easter sales. Azaleas are looking well, but some difficulty will be experienced, it is thought, in keeping them back until the right time. The varieties grown are chiefly Enipress of India and Van der Cruyssen. Hyacinths have advanced so rapidly that there will be few, if any, on hand for Easter work. Tulips are being beld well in hand in large ruantities. The varieties most extensively grown consist of La Reine, Yellow Prince and Murillo. Large quantities of bedding plants are coming along nicely to take the place of the Easter stock.

Dealers in nursery stock find a brisk call for ornamental shruls, vines, etc., a considerable part of this demand being from out of town florists; most florists throughout the country find the handling of this strok a most profitable arljunct to their husiness especially where growing speriniens are kept on hinul] to show intending luyers.
Lnobl rutailers are beginning to circulatio amongst the plant growers looking ir Fistor supply. A goneral opin.
ion seems to be that little pot bulbous stock will be on hand for that time.

Several good sized orders for Easter lilies in pots have been placed with local dealers the past week. The majority of these orders coming from buyers in middle eastern states.
J. B. Deamud received his first wireless telegram last week, from Springfield, nl. The American De Forest Wireless Telegraph Company call it an aerogram.
J. A. Jegen will move from his present stand to the Stewart building, 96 State street, May 1. The new location will be one of the best in the city.

The Benthey-Coatsworth Company is realizing results from the trip made by their Mr. Benthey through the southern buying district recently.

Mangel is showing Baby Rambler roses in full bloom. They make an attractive display and are "takers" with the public.

The E. F. Winterson Company has received a large importation of tree roses, bydrangeas, etc., from Holland.
N. Mosconesotes has purchased the Masonic Temple business of T. D. Mosconesotes, his brother.

Zeck \& Mann, the new wholesale firm report trade as opening up quite satisfactorily with them.

Bassett \& Washburn are receiving extra long stemmed Lilium longiflorum of excellent quality.

August Wussow of Auburn Park committed suicide in Mt. Greenwood Cemetery, March 30.

George Wienhoeber is now in France and is not expected home much before Easter.

Albert Fuchs is baving plans prepered for several extensive flat buildings.

Stollery Brothers in the growers market are handling a nice line of Boston ferns.

The A. L. Randall Company is well pleased with advance orders for Easter.
C. W. McKellar is active with orders for Easter novelties.

Visitors: Ed. W. Dole, Beatrice, Neb.; S. H. Sanstrom, Momence, 111.

## Philadelphia.

stock piling up.
The situation the past week was very depressing there being little demand for anything in a floral way and as a result stock piled up and prices ruled low. Southern daffodils are now at about their height, the receipts evidently more than can be handled. W. J. Moore at the market had consignments of over 60,000 blooms Saturday last. Earlier in the week, owing to the unusually warm weather, many consignments arrived in bad condition in fact so soft as to be unsalable. The street men, such as manage to dodge the police, handle much of this stock. The cream of it, however, is good enough for the stores and most of them carry it. Price is anywhere from $\$ 2.50$ to $\$ 5$ per 1,000 .

American Benuty roses have moved fairly well at low prices; $\$ 2.50$ is now high for the specials. Teas range from $\$ 6$ to $\$ 10$. Liberty sells higher, from $\$ 10$ to $\$ 20$. Kaiserin is coming in, a trifle green as yet, but will improve from now on.

Caruations are not over plentiful, yet sell slowly, the best Enchantress and Lawson going for $\$ 3$. Good flowers of
smaller flowered stock sell for $\$ 1$ to $\$ 1.50$.

There was a strong demand for early Monday morning at the opening of city council. The work was well divided, as some fifteen or twenty wagons were seen at the curb around the city hall at one time.

There were horseshoes galore, large baskets of ferns, plants and flowers, large clusters of American Beanty and other roses. One design of the liberty bell had about 1,000 red roses in it. It is estimated the work cost over $\$ 1,000$. The Wm. Graham Company had the decorations for common and Robert Crawford those for the select chambers. notes.
Robert Scott \& Son, at Sharon Hill, are erecting a new house of Lord \& Burnham material which will dwarf everything else near it. It is $52 \times 180$ feet, with eaves seven feet above the ground. About four feet of the sides of the house will be of glass so that there will scarcely be any shadow. The ridge pole is twenty-one feet high, supporting rafters thirty-two feet long. In the center of the house at each end will be sliding doors which will admit of a cart being driven in so that filling and removing soil can be done with the least amount of handling. To support the roof there will be seven rows of iron posts. When finished it will be planted entirely with American Beauty roses.

The Floral Exchange Nurseries have won new laurels, taking three first prizes, one in each of their entries at the recent Boston rose show. The roses were Golden Gate, Ivory and Queen of Edgely. They express themselves as much pleased with the output of their place the past season. A recent addition is a mammoth "soup tureen," so called by the men of the place. It holds 3,000 gallons of manure water, which only suffices for watering. There are other improvements on trial, one of which pertains to the heating arrangements, which it is thought will be a great fuel saver.

Atlantic City is looming up as a factor in the flower market. It is a Mecca for the fakirs on Saturday and Sunday and the regular stores appear to be doing more this year than ever before. It is thought that even the largely increased hotel accommodations will not be able to handle the great Easter crowd, as many are now turning away guests.

The warm weather of the past two weeks hatched out the window boxes and there has been a great demand for pansies and button daisies. Such an early display should help the sale of these window gardens later on and no doubt more will be planted this season than ever before.

Wm. K. Harris had two large wagon loads at the opening of the council. The twenty-seventh ward appears to be all right.
K.

## Los Angeles, Cal.

Miss Ethelind Lord is going into a very fine store at 828 W . Third street. It will be fitted up for her in an artistic way. Miss Lord has just returned from a trip to San Francisco.
E. H. Rust is doing a very fine trade in large palms and general line of nursery stock.

## St. Louis.

flower market.
Not very, muck can be said of the cut flower market during the past week. The warm spring weather has continued to affect the quality of the lowers. In spite of this a decided shartage of colored carnations has developed. There is quite a bit of bulbous stock in the market, but it is not going very fast. NURSERY STOCK.
There is a decided shortage of dauble English daisies in the city this year. This is probably caused by the over supply which has existed in past years. Shrubbery is now in considerable de mand especially California privet which etill has a strong hold on the public. There is a decided shortage of red stemmed dogwood. H. J. Weber \& Sons are reperted as being practically sold out of salable shrubs. The laurels, which were used in ornamentation of the World's Fair grounds, have made quite an impression and almost everyone who has the space to use them is figuring on getting a few.

## notes.

Geo. H. Augermiller, who has for twelve years been in the service of C. A. Fuehn, anneunces under date of April 1, that he is in business for himself at 1324 Pine street. He will carry a general line of flarists' supplies, wire work and cut flowers. George has made many friends during his connection with the trade here and no doubt will do a nice business.
J. E. Fauber, 1102 N. Taylor avenue, is a recent addition to the colony of florists in the new west end. About ten years ago Fred C. Weber started out on Olive and Boyle and there was some question as to whether he would make things go in that territory. Since then five or six others have followed and they all seem to be prospering.

Gee. B. Windler on Delore avenue has a very fine lot of Longiflorums which will come in just right for Easter.

Recent visitors were Wm. Laisle, of Keokuk, Ia., and Joseph Kaiser of Belleville, Ill.
V.

## Milwaukee.

Trade while being active has hardly been heavy enough to take up all the stock which the warm weather has forced on and in consequence there has been a decided weakening of prices. Easter lilies in pots will be in sufficient supply for all demands, several growers having large lots, notably Fred. Schmeling, Holton \& Hunkel and A. D. Austin.

The monthly meeting of the Florists' Club was held at the new club rooms April 4. The meeting was well attended and the members present were enthusiastic over the fall flower show. A. Klokner, Fred Schmeling and R. Zepnick have the work in hand. A novelty for club meetings was presented last night when Mr. Klokner gave the club an interesting talk on the "Art of Floral Designing,', illustrating his remarks with a choice wreath which he made in the presence of his audience.

The Colonial Flower Company will take the store formerly used by B. G. Lambros and according to reports will install the best fixtures. John Lambres, formerly of Chicago, is mentioned as manager.

The Holton \& Hunkel Company is showing a selected line of flowering plants, such as hydrangeas, rhododen= drons, lilacs, azaleas, etc., for Easter trade.
F. P. Dilger comes in every morning to the market with a wagon load of bulbous flowers. He knows how to grow them to perfection.

The steck and fixtures of B. G. Lambros, bankrupt, were sold at anction to Wm. Zimmerman, who intends using them in his new store.

John Arnold's wagon was struck by a car on Tuesday, the wagon being badly damaged and Mr. Arnold sustaining severe injuries.

Joe Marks formerly of the Poehlmanu Brothers Company, Chicago, is back to his former place with the Holton \& Hunkel Company.

Grand avenue is getting to be quite a center for the Greeks, three new stands laving opened up within the week.

Otto H. Sasse, a retired florist was accidentally killed by a street car on Wisconsin street last week.

Joe Pollworth was married last Monday to Miss Yahr and they are off for au extended trip.
H.

## Washington.

MARKET CONDITIONS.
The market has sunk to a dead level of dullness, but everybody is looking forward to Easter as a time of refreshing. The leading question now is: "What will you have for Easterq" Continued sunshine is bringing stock along at a canter and there is danger that some of it may be stale and unprofitable three weeks bence. The supply of geod lilies is not large, with the District growers, and Philadelphia will doubtless furnish a large number. What the demand will amount to is problematical but in truth, the Easter outlook might be better. If the present warm weather continues, by Easter the city will be dcserted by many of the best customers of the retail stores. In cut stocks, the prospects are fair for roses, carnations and callas.

AMBASSADOR'S FUNERAL DESIONS.
A large number of designs were furnished for the funeral of the Mexican ambassador, March 28, J. H. Small \& Sons had twenty pieces, the majority being standing wreaths of extra large size, in the cemposition of which a large quantity of the choicest stock in orchids, roses, carnations, Harrisii and valley was used. Z. D. Blackistone and George C. Shaffer also furnished a number of fine designs.

## Notes.

A great number of fine floral designs accompanied the remains of Miss Mildred Lee, youngest daughter of the late Gen. R'obert E. Lee, from New Orleans, where she died, to the final resting place in Virginia. In addition to these, the ladies of several cities through which the funeral train passed met it at the depet with beautiful floral tributes.

The Department of Agriculture is having more trouble over the site of its new building. Secretary Wilson wants the vista from the main entrance to be up Thirteenth street, while the parking commission wants it to be up the mall.

The department needs plenty of room and should have it.
J. R. Freeman will make a fine showing in Easter lilies and a good variety of other pot stock. Mr. Freeman is one of the old reliables in potted plants, which, however, does not disqualify him in the line of cut flowers, as his roses, carnations and violets are alse goorl.

John Robertson is now quite busy with landscape work but is not neglecting his Connecticut avenue store. Mr. Robertson is one of the all around florists.
supt. Brown of the propagating gardeus is making preparations for a fine display of bedding work in the parks.
S. E.

## Leuisville.

GOOD STOCK ABUNDANT.
The past week was a much more sat. isfactory one than the one previous. The weather has turned intensely warm, and consequently there is an abundance of stock to be had. The tree and shrub business this year was a very attractive one, and those landling this class of work are well satisfied with the season just closed. Seeds for early sowing also sold well. Roses of very good quality can be had in good quantities, with the demand very satisfac. tory. Carnations of good quality can be had in quantity, with the demand satisfactory. The season for violets has about ended and can justly be considered one of the best experienced locally. Lily of the valley of extra good quality is plentiful and sells well. Forget-me-nots have about completed their good season. Mignonette of good quality can be had in large quantity, with the demand satisfactory. Sweet peas of fine quality are being received and sell well. Daffodils can be had by the load, and sell for nearly nothing. Other bulbous stock continues to hold the price, sells well, and can be had in fair quantity.

## notes.

The suit which Charles Rayner, of Anchorage, Ky., brought against Edward H. Marcus, of Leuisville, Ky., for $\$ 3,500$, resulted in a verdict of $\$ 200$ in Mr. Rayner's faver. Mr. Rayner claimed that Mr. Marcus sold him inferior putty. As there were very few on the witness stand that were capable of talking facts in such a case, the jus. tice of the decision is much questioned.

The sympathy of the craft is extended to the Misses Miller in the loss of their father, whe was buried Sunday in Cave Hill cemetery.

Schulz have an unusually fine stock of spiræas coming on just right for Easter, when the plants should sell well.

Mrs. C. B. Thompson has been keeping a very attractive window.

Fred. L. Schulz.

## Denver, Colo.

Trade is very geod, stock coming in very plentifully and very fine. Bulbous steck is scarce at present, especially tulips, which is something very unusual at this time of year.

Miss Webb, of the Webb Floral Com. pany, has closed out her business and will retire from the trade.

Plattr.

## THE AMERTCAN FLORIST

## Twentieth Year.

Subscription, $\$ 1.00$ a year. To Europe, $\$ 2.00$. Subscriptions accepted only from those in the trade
Advertisements, on all except cover pages, 10 Cents a Line, Agate: \$1.00 per inch Cash with Order

## No Special Position Guaranteed.

iscounts are allowed only on constcutive Inser tions, as follows- 6 times, 5 per cent; 13 times,

10 per cent, 26 times, 20 per cent
52 times, 30 per cent.
Space on front pages and back cover page sold only on yearly contract at $\$ 1.00$ per inch, net. The advertising Depurtment of the Anerican Florist is for florists, seedsmen and nurserymen and dealers in wares pertaining to those liues only. Orders for less than one-half inch space not accepted. Advertisements must reach us by Monday to ecure insertion in the issue of the same wee Address

AMERTCAN FLORIST CO., Chicago.
When sending us change of address, always send the old address at the same time.

## this ISSue 52 PAGES WITI COVER.

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SuADE the azaleas molleratcly if they ere coming on too fast.

If you intend to build this summer, secure the plans and study them now.

WHat forciug stock is paying best this Eastre? Provile next year's sup ply in time.

Louk Out. - The warmer weather of the last two wefks has mavle the work of rotarling liaster Minnts very diflicult. Vigilance is the watehword.

## Illinois State Florists' Assoclation.

This Dew organization was formed a row wreks acor and it is full of busithe memburs alruinly have before the Jevislatare a hill tor an appropriation, Which bills fair to liss. Much
credit will be due to the lobbying skill of the association's committee should the bill pass. The members of this committee went at it like veteran politicians.

To those concerned I beg to advise that the association is now duly incor porated under the laws of the state, the incorporation papers being now in my possession. We already have fifty members and solicit the application of every florist in the state of lllinois. Send same at once to H. Hasselbring, Dept. of Botany, University of Chicago, Chi eago.

James Hartsiforne.

## Meetings Next Week.

Baltimore, Md.-Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, Monday, April 10, at 8 p . m.

Buffalo, N. Y.-Buffalo Florists' Club, 383 Ellicott street, Tuesday, April 11, at 8 p. m.

Butte, Mont. - Montana Florists' Club, Columbia Gardens, Friday, April 14.

Chicago, Ill.-Chicago Florists' Club, Handel hall, 40 Randolph street, Thursday, April 13, at 8 p. m.

Cleveland, O.-Cleveland Florists, Club, Progress hall, 244 Detroit street, Monday, April 10, at 7:30 p. m .

Davenport, la.-Tri-City Florists' Club, Thursday, April 13.

Denver, Colo.-Denver Floral Club, 323 Charles block, Friday, April 14, at 8 p. m.

Hartford, Conn.-Hartford Florists Club, Friday, April 14, at 8 p. m.

Madison, N. J.-Morris County Gardeners' and Florists' Society, Masonic hall, Wednesday, April 12.

New Bedford, Mass.-New Bedford Florists' Club, 'Thursday, April 13.

New York, N. Y.-New York Florists' Club, Grand Opera House building, 8 th avenue and e3rd street, Monday, April 10, at 8 p. m., Easter plant night.
New York, N. Y.-Horticultural Society of New York, American Institute rooms, Wednesday, April 12, at 8 p. m. "An Evening with Cacti," by Dr. Britton, illustrated with lantern slides. Omaha, Neb. - Nebraska Florists' Society, City Hall, Thursday, April 13, at $8 \mathrm{p} . \mathrm{ml}$.

Providence, R. I.-Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, Thursday, April 13, at 8 1. m.

Salt Lake City. Utah.-Salt Lake Florists, Society, Friday, April 14.

San Francisco, Cal.-Pacific Coast Horticultural Society, Saturday, April 15. Spring exhibition.

St. Louis, Mo.-St. Louis Florists' Club, Odd Fellows hall No. 2, Ninth and Olive streets, Thursday, April 13, at $2 \mathrm{p} . \mathrm{m}$.

## Trade Notes.

Gcorge A. Rackhant, of Detroit, Mich., is a candidate for the office of school inspector and followed the example of Peter Reinberg, of Chicago, in sclecting the carnation as his badge.
Kroeschell Brothers Company, Chicagn, announces that its carnation moasures can be had by interested partios for the asking.

Greenhouse huililers shoult send patalogues to the Collins Irrigated GarNens, San Antonio, Tex.

## Buffalo.

The warmest weather on record for two days last week was what Buffalo had, and the whole week was very good. Daffodils and other spring flowers shot up three or four inches out of the ground, and our only hope is no more extremely cold weather. All florists are confident of a good stock for Easter, as everything looks good, and the only fear of some is that continued bright weather will advance some of their azaleas too much.

Another floral establishment in the vicinity of Buffalo is the Eden Nurseries situated at Eden Center, N. Y., about nineteen miles from Buffalo and owned by Prof. Cowell and J. L. Moore. They have two houses, 20 x 100 feet, for chrysanthemums and this summer will have gladioli and asters in fine variety. Incidentally they have 27,000 cabbage plants and a large lot of lettuce and tomatoes. While the place is new and under the management of J. L. Moore, a good report will be made from it later.
The schedule committee of the Sweeney Spring Show met at South park greenhouses for their last meeting and made final arrangements for what promises to be a good show. The carnation exhibit is most encouraging to Manager Keitsch, who is also promised an unusually large display from the Lake View Rose Gardens, of which C. H. Roney has charge.

We have just been notified of the death of Donald Newlands, who had been ill for some time. He was associated with his mother for about six years and they had a very fine business. His death at his age is very sad, as he had a very bright future.

Prof. Cowell has at South park at present some very fine azaleas, amaryllis, single and double stocks in flower, alsoa very fine plant of Lilium umbellatum in flower. The collection of cacti at South park is very large and very fine.

Prof. Cowell has returned from his Panama trip and brought with him some good specimens of the different plants for the New York and Buffalo botanic gardens in interest of which he made. the trip.

## Bison.

## Pittsburg.

PROBABLE SHORTAOE OF EASTER PLANTS
For the past week we have been having fine weather with the temperature ranging from $50^{\circ}$ to $82^{\circ}$. With its continuation the outlook for a sufficient supply of the usual Easter staples is: very discouraging, and information is. all speculative as to the supply of azaleas, daffodils, hyacinths, ete., for that time. The failure of supply in blooming plants will undoubtedly cause a. hig increase in the sale of roses, carnations and other cut flowers. The sale. of violets continues steady.

## notes.

Thos. Ulam filed a petition in bankruptey and secured the appointment of a recciver, which action superseded the authority of the sheriff, and a receiver's sale tonk place March 30. Under this. action Mr. Ulam shows that he is desirous of giving all his creditors consideration, as his assets almost equal onelalf of his liabilities.

Toln Bader imported a great collection of azaleas and is doing everything.
possible to suppress their development until the proper time.

The Allegheny market stands are delightfully attractive with their gorgeous array of cut flowers of all shades.

All our wholesale houses report that business continues good and the supply of stock plentiful.
J. B. Murdoch \& Co. have begun the erection of their new rose and carnation houses.

Theodore Beckert is cutting lots of fine white, yellow and purple Spanish iris.
A. W. Smith is exhibiting a fine and extensive collection of blooming plants.

On March 29 fire destroyed the barn of Wm. Lauck. It was a total loss.

Lowe \& Jones had a big week, funeral work being the cause.

The stork delivered a new boy at the McGrath home March 31.
P. J. Deemas is visiting growers in the nearby sections.

Patrick Maier is holding his Harrisii lilies in fine shape.

Howard Carney has become a citizen of Homestead.

## OBITUARY.

## E. E. Allen.

E. E. Allen, of Blairsville, Pa., died at his home March 27 from a serious attack of pneumonia. Mr. Allen was formerly a traveling salesman for a Philadelphia firm, but over a dozen years ago he retired from the road and engaged in floriculture. Mr. Allen was a civil war veteran and represented Indiana county in the state legislature at Harrisburg some twenty years ago. The deceased is survived by his wife and several children.

## Michael J. Cox.

Michael J. Cox, head gardener for Thomas A. Edison, fell down stairs at his home, 44 Standish avenue, West Orange, N. J., Friday morning, March 24, and was fatally injured, death ensuing Saturday afternoon. He was carrying a pail of coal, and slipped at the head of the stairs. He was carricd to the Memorial hospital, Orange, but never rallied. He had fractured his spine. The deceased leaves a widow and three children.

## Postscript.

E. F. Winterson Company, Chicago.

We saw your advertisement in the American Florist, the only paper.

South Park Florists.
Spencer, IA.-Dr. W. P. Spencer has an extensive stock of plants and flowers for Easter and they are now in fine condition.

## SITUATIONS, WANTS, FOR SALE. One Cent Per Word.

 Cash with $1 d v$.Plant Advs. NOT admilted under this head.
Every paid subscriber to the American Floriat for the year 1905 is entitled to a five-line wANT ADV. (aituations only) free to be used at aoy time during tbe gear.

Sltuatlon Wanted-A German all-around floriat. married. Box 223, care American Florist.
Sltuation Wantod-As roae and carnation grower; capable of taking charge of amall pluce; life experience, Good reforeuces. Address
Box 219 , ca-u American Florist.

Sltuation Wantad-By orchid grower, propagator. fancy plant grower, etc. 25 yeara' exparience. Private or commercial. References A1. Apply
Yo. 21 , Juling Roehrs, Rutherford, N.J.

SIfuation Wantod-By good Horist, single, German. 18 years' experience in cut flowers and plasts. Poaition wanted as working foreman or section. Good wages expected. By 1at of May.
Box 292 , care A merican Florist.

Box 292, care American Florist.
SItuatloa Wanted-Single German, ten yeara'
sperience with cat llowers and bedding atock, esperience with cat llowers and bedding atock,
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ment in the weat. Capable of taking full charge. ment in the weat. Capable of taking full charge.
Address
F. W. Sabranekr,
2022 Cairo Road, Paduah, Ky.
Holp Wantod-Siugle man: good potter.
Blondeel Co., Oak Park, Ill.
Holp Wanted-A young man used to vegetable garden work on a private place. Single. Apply stating wages to

Box 296, care American Florist.
Holp Wanted-At once: a young man from 22 to 30 years old to assiat in growing roses, carastions and pet plagts on place of 25,000 feet of glass.
Glade Greenhodes, Warten, Pa.

Help Wanled-At once; strictly aober, reliable man who understanda all kiads of greenhouae work and can grow good rosea and carnations. Muncie Flaral Co., Muncie, Ind.

Help Wanted-At once, man who thoroughly understands 'mums and pot planta. Good wages to good man. Apply

Holp Wanted-A young forist who is a good worker and has acme pararaxperience in growing cut flowers and bedding ateck. Good wages to the right man. Box 291, care A merican Floriat.

Help Wanted-All around florist to grow firstclasa roaes, carnations and general stock. Sober reliable and industrious. Good wagea, ateady work. Send references. Addreas

Bor 298, care American Florist.
Help Wanted-A good grower of caraations and propagator of sama; to asalat in growing bedding plants aud general work around greenbouse. Must be sober. State wagea with reference.
Wolfroro Grenenaraes, Folfbore,

Holp Wanted-A young man to take care of orchids in a private place. Mnst be thorougbly competent and interested in month. Send references to A lfied J. Loveless, Wyadhu Lenox, Mass.

Holp Wantod-Youog man as assistant around greenhouse of about 12,000 feet of glass: one who can drive horse and do bedding out and make himasil useful. State wages expected without board. Address Box 126 .

Besver, Beaver County, Pa.
Help Wanted-Sober and energetic man; experienced with shrubs, perenaiala and landscape work, to take charge of outaide work; permanont situstion. Also young man for carnation houses. State age, experience, ralerences. etc.
S. J. Reuter, Westerly, R. I.

Help Wantod-A good grower of roses, caraatioos, obrysanthemums and general stock of plane, Muat be soher and good worker. State ences. Address

Sunnyside Greenhouses, Owosso, Mich.
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Georob Reinbero, 301 Balmoral Ave., Chicago.

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For Salo-Two greenhouses, $24 \times 100$, three acres of land, large dwelling with all improvements, M. J. Noore place. Easy terma. For particular address
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eart, west, borth or south. Splendid trade in fald-grown caroation plants as well aa rooted cuttings. Stock in fae condition. Soil and climate just suited to growing carastions-both quantity and quality. Spleudid water privileye for teld and bouses. Au exceptional chance for gome ane to step into a well eatablished business. Will also sell or rent a large or medium sized house. For turther psrticulars, adaress

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## Toronto.

market and trade notes.
Business the past week has improved considerably. Saturday, March 25, was really the first spring-like day we have had and the effect on trade is noticeable, as sales in all lines have improved. The stock of roses continues to improve, both in quantity and quality, and though in fair demand there are plenty to supply all reasonable amounts. American Beauty are getting better and some select blooms are now seen. General MacArthur is also a little more plentiful and finds ready sale. The carnation crop seems to be shortening. Bulbous stock is very plentiful and narcissi in varieties are being sold at retail as low as 1 cent each. We would like to know how the grower intends to pay for his bulb out of this price.
gardeners' and florists' club.
The Gardeners' and Florists' Association held a well attended mecting at St. George's hall Tuesday evening. George Hollis gave a paper on "Hybridizing of Carnations." The carnation exhibit in connection gave plenty of food for thought aud reflection during the eveuing.
F. R. Pierson Company, Tarrytown,
N. Y., exhibited White Lawson in excellent condition, Daheim, Victory, Enchantress and Variegated Lawson; W. J. Palmer, Buffalo, showed Red Lawson of good color; George Hollis had a promising white seedling; H. Weber \& Sons, Oakland, Md., had My Maryland, an ideal white; J. H. Dunlop showed a vase of well grown Harlowarden; George Mills staged a vase of Boston Market; Siebrecht \& Son sent a vase of their new Rose Killarney, very fine.

## notes.

P. Fogarty $\mathcal{E}$ Sons have sold the pres. ent site on which their greenhouses are located, moving across the railroad track. They have already built one house and are getting the material ready for two more houses $21 \times 150$ feet.
J. H. Dunlop intends to tear down some of his old houses and build a range of three houses $25 \times 250$ feet for American Beauty roses. They will be built in the latest style of iron construction, using brick and tile benches.

Primula obconica very well grown and in large variety of colors have been coming from the Steele, Briggs Conspany. John Riggall, the foreman, was some fine cincrarias and gloxinias.
W. J. Lawrence has not exactly decided on what he intends doing. Several houses will be rebuilt and two modern new houses will be added to his present establishment.

The Toronto Floral Company is tear ing down some of the old houses and building new ones in their places. They are also building two new houses 25 : 50 feet.

An attractive window has been dis. played at the College Flower Shop, banked with log moss, pieces of rustic work, green lights and clusters of mushrooms.
J. H. Dunlop has been making a fine display of rhododendrons. Some of the mauve and light varieties are fine. The colors compare favorably with orchids.

The English primroses from Frank Duffert are quite a novelty and will no doubt have a large call for Primrose day.
R. Jennings, of Brampton, is sending in fine sweet peas with long stems and well colored.

John Gard is putting up two houses $20 \times 200$ feet, using wood and iron construction.

Grobba \& Wandrey are building a range $200 \times 250$ feet for carnations.
H. G. D.

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Anemone Prince Henry, Large double rich deep pink flowers. A fine new introduction

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$75 \quad 6.00$

## Pyramidalis, stroug 1 yr.

o Chrysanthemum Shastia Daisy, 23/in. pots.
Cbrysanthemum Maximum Triumph 3 -in pots
Cimicifuga Simplex (rare) strong plants Ciematis Recta, strong a year of Delphinium Formosum strong 4 . pots. Delphinium Formosum, strong ${ }^{\text {4-in. }}$, pots diadonna (rure) very fre Dianthus Latifolius Atrococcineus,2 24 inch pots............................. Doronicum Austriacum, 3-iu. 1ots...... Erigeron Coeruleus Grandítlorus, 3 -in pots.
Eupatorium Ageratoides, 4 ini. pots..... Corlestinum, 3 in. pot.s Feverfew Little Gem, $24 / \mathrm{din}$, pots. Funkia Sulicordata Alba, 4 -int. pots. Gaillardia Grandiflora, heavy 4 -lmpots Gypsophila Paniculata, strong 1 year
old roots.......................... Helealum Autumnale Superba, 4 -in. pumilum, 3 in. pots........... Helianthus Multhorus pots. Pl., strone. Masimus, strong Maximiliana, strong...... Meteor stroug. Snleil d'or, strong.
Hellopsis Pitcherianus, 4 -in. pots. $\begin{array}{rr}.00 & 8.00 \\ 75 & 6.00\end{array}$
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2.5020 .00 $\begin{array}{ll}60 & 4.00 \\ 75 & 6.00\end{array}$ $\begin{array}{ll}75 & 6.00 \\ 1.00 & 8.00\end{array}$ $\begin{array}{ll}1.00 & 8.00 \\ 1.00 & 8.00\end{array}$ $\begin{array}{lll}1.00 & 8.00\end{array}$ $75 \quad 6.00$ $60^{6.00}$
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$75 \quad 6.00$ $\begin{array}{ll}1.00 & 8.00\end{array}$ $1.25 \quad 10.00$ $\begin{array}{cc}.25 & 10.00 \\ 75 & 6.00\end{array}$ $\begin{array}{ll}75 & 6.00 \\ 75 & 6.00 \\ 75 & 6.00\end{array}$ | 75 | 6.00 |
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| 75 | 6.00 | 1.0J 8.00 $\begin{array}{ll}1.05 & 8.00 \\ 1.00 & 8.0 \mathrm{~J}\end{array}$


 Lysimachia Clethroides, strong 4-in pts Myosotis Palustris $\begin{aligned} & \text { Semperflorens, } \\ & \text { strong } 3 \text {-in. } \\ & \text { pots.......... }\end{aligned}$ Alpestris Gra Pæonies in choice varieties; see cata - logue for varieties. Penstemon Gentianoides, 3 -in. pots..... Physostegia Virginica, strong 4 in. pts. alba, strong 4-in.
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Chinensis, clumps............
Filipendula, t1. pl., 4 -in pots.. Gigantea, clumps.......... pots. Palmata, clumps. Elegans, strong 4.in.
er doz. 100

100
8800 $25 \quad 10.00$ $\begin{array}{r}10.00 \\ \hline 8.00\end{array}$ $\begin{array}{ll}1.00 & 8.00 \\ 1.00 & 8.0\end{array}$ 8.10
6.00 10.00 8.00 6.00
4.00 4.00 6.00 6.00 6.00 $2.00 \quad 15.00$ 1.008 .00 8.00
6.00 $50 \quad 4.00$ $50 \quad 4.00$ $1.50 \quad 12.00$ $\begin{array}{ll}1.00 & 8.00 \\ 75 & 6.00\end{array}$ $75 \quad 6.00$ 5.00 600 6.00 $75 \quad 6.00$ 1.00 $1.00 \quad 8.00$ 1.00 $1.85 \quad 10.00$ $\begin{array}{cc}125 & 10.0 .1 \\ 75 & 6.00\end{array}$ 1.0010 .00 1.008 .00

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 Wholesale Commission Florists CHOICE BEAUTIES, MAIDS AND BRIDE ROSES, FANCY CARNATIONS, TULIPS, DAFFODILSAND ALL OTHER SEASONABLE FLOWERS.

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Fancy and Dagger Ferns.
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## COLOR CHART

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## J. K. ALLEN, Wholesale Commission Florlst,

 106 West 28th Sireet, NEDETYOREK. American Beauties, Orchids, Roses, Carnations, Violets, and Evory Varloty of
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 will be Delivered for the Trade on Wirc or Mail Orders in Best Qualities and Prices．SAN FRANCISCO．
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88 Posi Street，SAN FRANCISCO，CAL． Prease mention the American Florist when writing． INDIANAPOLIS．

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241 Massachusetts Ave．，INDIANAPOLIS，IND， please mention the American Florist when woriting． ST．LOUIS．

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 FLORIST，4320.4328 ollve St．，ST．LOUIS，MO． Establighed 1873，Bell，Lindell 676.
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 MILWAUKEE，WIS．Will take proper care of your orders in WISCONSIN．
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Growers and importers．The oldest and leading honse in Central and Western Unlted States． Decorative plants a specialty．Mail and Wir
Orders Get Prompt attention． Orders

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## WILLIAM L．ROCK FLOWER CO．

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Artistic Designs．$⿻ 上 丨 \sim *$ High Grade Cut Blooms．

We cover all Michigan points and good sectione of Ohin，Indiana and Canada． Please mention the A mevican Flovist when zeriling．
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Auditorium Annex， CHICAGO．
Mail，telegraph or telephone orders filted promptly in best style．
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 FLORISTS，1415 Farnam Street，OMAHA，NEB． ＇Phone 1501 and L． 1688.
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 FLORIST．378 Main St．，Springfield，Mass．

## CHAS．CHADWICK，

 COR．FULTON \＆LAGRAVE，＇Grand Rapids，Mich． WHOLESALE and RETAIL FLORIST． High－Grade Cut Blooms．
Carnations，Roses，＇Mums，Violets，Etc． Choice American Beauties a Specialty．

Artistic Designs on Short Notice．
Good Shipping Facilities to all Michigan Poinls．
－A TRIAL ORDER SOLICITED．－
Please mention the A merican Florist when writing．

## JOHIN WOLF，

Wholesale and Retail Florist， SAVANNAH，GA．
Daper White Narcissus and Roman Hyacinths．
$\$ 2.00$ per hundred，in any quantity，
Long Oistance Telephone Connections．

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THE LEADINC FLORISTS OF THE N．W．
Ordera will be well cared for anywhere in Minnesota and the Dakotas．

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Cut Flowers，Floral Designs，Decorations．
Telephone 1087．All mail，telegraph or telephone
orders promptly and artistically blled．

## MILLS THE FLORIST，

36 W．Forsyth Street， JACKSONVILLE，FLA．

Asparagus Plumosus，
60 CENTS PER STRING．
Carnation 8 looms and Rooted Cuttings． Good stock．
W．H．WATSON，Lapeer，Mich．

## A Daily Shipment From 40 to 60 Growers

enables us to say "we can and will fill your CUT FLOWER WAMTS TO ADVANTAGE." : : : : :

We carry the most Store open from $7 \mathrm{a} . \mathrm{m}$. to $7 \mathrm{p} . \mathrm{m}$. on week days and $7 \mathrm{a} . \mathrm{m}$. to $1 \mathrm{p} . \mathrm{m}$. on Sundays. Complete Line of General Florisis' Supplies in the West. Illustrated Catalogue free.
Telegraph at our expense to latest quotations on any Cut Flower Supplies.

## We Anticipate Good Supplies —OF-

MOST STOCKS FOR NEXT WEEK. if you can use QUANTITIES
For Store Openings and the like, Write or Wire for Lowest Quotations.

## E. F. WINTERSON COMPANY,

 45-47-49 Wabash Ave., CHICAG0.
## CURRENT PRICES.

For Week of April 3rd to April 10 th.

| Roses. <br> American Beauty, 30 to $36108 . .$. | $\begin{array}{r} \text { Per dozen. } \\ \$ 3.00 \end{array}$ |
| :---: | :---: |
| 24 inches.. | 200 |
| 20 inches. | 1.50 |
| 15 inches. | 1.00 |
| 12 isches. | . 75 |
| Short. | . 50 to . 75 |
| Bride, Bridesmaid. Gate. | 3.00 to 6.00 |
| Roses, Our Selection | 201 to 400 |
| Liberty | 400 to 800 |
| Chateasy | 4.00 to 800 |
| Carnations. | Per 100 |
| Fancy | $\$ 300$ |
| Good A verage. | 1.50 to 2.00 |
| Fair Stock, for bargaio salea (Our Selection) Per 1c00, \$1u.u0 |  |
| Valley............................... | 2.80 to 3.80 |
| Violets | . 40 to .75 |
| Callas. | 800 to 12.00 |
| Paper Whitos, Romans | 3.00 |
| Harrisif | 1000 to 12.00 |
| Tulips, Daffodils. | 2.60 to 4.00 |
| Sweet Peas. | .75 to 1.60 |
| Mgoonette | .40 to .75 |
| Asparagus Plumosus, per striog | .25 to . 50 |
| Asparagus Plurn. Sprays, per 100.. | 200 to 5.10 |
| Asparagus Spreageri. per $100 \ldots$ | 200 to 500 |
| Common Feras, per 10j0.......... | 2.50 |
| Galax Leaves, Broaze. per 1 160.. | 100 |
| Green Leucothoe Sprspe per 100 " | Red, 1.00 |
|  | 75: Red, 100 100 to 1.25 |
| Smilsx, per dozen...... . ... | 1.50 to 2.00 |
| Joaquils...................22. 00 to $\$$ | 5.00 per 1lco |
| All prices subject to cbange wit | hout notice. |



My Specialties For

EASTER
Everything in Fancy Cut Flowers.
ORCHIDS A SPECIALTY.
Fancy Valley, Violets, Beauties, Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.
A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand. Also a fine line of Novellies in Florists' Supplies.
II you want the BEST at any TImo, or all the TImo, send to

## EASTER NOVELTIES.

I quote the following goods for immediate shipmeat, clean fresh stock just in: Easter Chicks. fancy imported, doz., $\$ 300$. Easter Ducks, facy imported, doz., 3.00. " " " " domestic, doz." 2.00 .
 Twig Baskets or Nests, 75 c to $\$ 300 \mathrm{doz}$, Mata, plain a ad fancy, 200 to 8.50 doz. Water-proof Crepe Paper 52 doz . Common Crepe, all colors, 7 c c . doz. Easter Ribbons, flest quality satin, per bolt, No. 5 No. 7 No. 9 No 12 No. 16 No. 23 No. 40 No 60 $45 \mathrm{c} \quad 55065 \mathrm{c} 85 \mathrm{c}$ \$1.00 $\$ 1.1081 .25 \quad \$ \mathrm{t} .50$ Baby Ribbons apply all colors in above Baby Ribbons, all colors, oper doz, spls., 4.00 .
Violet Cords, Violet Ribbon Ties, from 75 c to $\$ 2.00 \mathrm{doz}$. Violet Ribbon Ties, irom, 5 to to $\$ 2.00 \mathrm{doz}$.
Crepe Paper Pot Covers, 50 c to $\$ 2.00$ doz. Crepe Paper Pot Covers, 50c to \$2.00 doz. 18 -
iach, $\$ 1.00$ per M.
Fancy Pear. Corsage Pias. assorted colors, Violet Hampers, from 50 c to $\$ 150$ pre
Cycas Leaves, Ass't. 24 to 48 -inch, per $100 \$ 12$.
Doves, very fuest quality, per doz........ 81200
Next best grade, per doz.................. 10.00
Secouds for decoratiag, pur doz....... 8.00
Small Chenille Birds, per doz. $50 \mathrm{c}, 7 \mathrm{c}$ and $\$ 1$.
Small Chenille Birds, per doz., 50c, 75c and 51 . Folding Easter Bells, white paper, No. 1, 5 - in.
$\$ 1:$ No. $2,7-\mathrm{in} . \$ 1.5$; No. $3,3-i \mathrm{in}$. $\$ 175 \mathrm{doz}$. Violet Tio Foul, per lb., 350: 3 lbs., $\$ 1.00 ; 100$ lbs. $\$ 2500$.
A full live of all otber supplies, Wire Desigos, Sheaves, Baskets, eto.

TRY OUR STOCK--You will like it. TRY OUR SERVICE---You will want more of it. BULB STOCK LILIES ROSES CARNATIONS

FERNS GALAX GREENS

## The Seed Trade.

AMERICAN SEED TRADE ASSOCIAIION. Chas. N. Paqe, Des Moines, Ia., Pres.; L. L. May, St. Paul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y., June $90-22,1905$.

The onion set market is very dull at present.

Tisited Chicago: Wm. IIagemann, of New York.

This is the time shortages appear in unexpected places.
(hicago newspapers are publisbing long articles on gardening almost daily.

Potatoes look as if they would go as low as 15 conts on the Chicago market.

The early spring has adranced trado to nearly three weeks ahead of last year.

Grass sced trade is very brisk. The Dickinson Company is reported to have had the biggest day of their existence last week.

Johe Lewr Childs, Floral Park, N. Y., has serured exclusive control of Luther Burbank's seusational new rhubarb, it is said.

Yisited Say Francisco, Cal.-John Letris Childs, Floral Park, N. Y.; William Rennie, Toronto, Ont.; J. C. Vaughan, Chicago, and J. A. Navlet, Sacramento, Cal.

New Ula, Minn.-The Minnesota Seed Company has been organized with a capital of $\$ 50,000$. The company will erect a three-story brick structure to be used as a warehouse and sorting station.
A. G. Lee, of A. G. Lee \& Brother, Fort Smith, Ark., was a recent Chicago visitor. He reports that business has been very fine in his territory this season, with an unusually extensive demand for onion sets.

Jacques Courtine, of the Union Horticole, Hyres, France, sailed on the S. S. La Lorraine March 25 , from Havre for the United States, where he will call upon the seed tralle. The headquarters of Mr. Courtine while in Now York will lie eare of Lamy \& Company, 210 Franklin street.

## 3,700 ACRES OF GARDEN SEEDS in cultivation. <br> Braslan Seed Growers Cor Wholesale Seed Growers.

SAN JOSE, CALIFORNIA.
Please mentorn the A merican Hlorist when writing. RAWSON'S Seeds ${ }^{\text {fuintid }}$ Catalogres Mulled Free.
W. W. RAWSON \& CO., Seedsmen 12 and 13 Fanueil Hall Square. BOSTON.

New Orleans, La.-Cards are out for the wedding of Miss Armand Eerlec and John Baldini, which will take place April 26. Miss Kerlec has had charge of the flower seed department of Kerlec's Seed Store.

Los Angeles, Cal.-Musser \& Johnson, Germain Seed Company, Payne Seed Company and other concerns say that their business has almost doubled, and a round of the seed stores, March 26, showed everyone busy with many customers.

## Newport, R. I.

There never has been a season when such delay and consequent trouble has been caused by the railroad companies in regard to getting freight. It bas not mattered whether small lots or carleads were concerned. Days have become weeks and weeks turned into months trying to get stock.
William C. Elliott, who has for a great many years been improving old varieties and perfecting new sorts of his own origination in sweet corn, has established himself in the trade as a dealer in new sorts of sweet corn exclusively.
Onion sets are somewhat easier in price, that is, for stock of fair quality; but the best Philadelphia sets are bringing full rates here as follows: white, $\$ 5$ per bushel; yellow and red, $\$ 4.25$ in large lots.

The George A. Weaver Company is, as always, very busy and is now handling large lots of onion sets and seed potatoes.

William B. Scott \& Company Lave had a very active week, some seeds going in large lots, especially sweet peas and asters.
H. L. De Blois is having good sales of the J. M. Thorburn Company's new potato, Noroton Beauty.
X.

## Baltimore.

MARKET COMMENTS.
Trade shows a marked improvement in volume, and the character of offerings in eut flowers becomes daily better, though the high marks reached by the mercury will probably soon bring down the size and quality of all sorts. Prices are shrinking and bosiness was done the past week by active pushing and liberal concessions in prices.

We have had a week of charming weather, too warm for the season, but clear and bright, and things move more rapidly as a consequence. Roses are plentiful, American Beauty beginning now for the first time for several months to appear in adequate supply of desirable grades. Carnations are in too great abunlance and violets are nearing the end of their day, being small and poer. Grecn material continues searce but of the hardy outdoor bulbwis material from the south there is, like the making of books, no end. From some shipments it is doubtful if returns sufficient will he realized to pay the expressage. Fvery stall, every fakir his an over supply, and the prices at which they are distributed are ridiculously low.

The market men arr out in force, and the silewalks look like a flower show. Ther class of gools nffering indicate, unfortunately, that the supplies meant
for Easter are already of necessity pushed into the market, azaleas, genistas, hyacinths and tulips offering in profusion.

A drop in temperature with cloudy days may retard stock not yet in bloom, but a continuance of such weather as that of the past week will make very problematical the Easter supplies. Of Harrisii and Longiflorum lilies the provision seems not very abundant, but it will be this year a problem of retarding rather than of forcing.

CLUB MEETING.
At its meeting last Monday evening the Gardeners' Club appointed a committee consisting of its surviving former presidents to consider and suggest a plan for the entertainment during the annual meeting in the City of Washington, of the Society of American Florists or of such members as may visit Baltimore. It is suggested that it is likely that the entertainment may take the form of a steamboat excursion on the waters of the Chesapeake, with opportunities for visitors to enjoy the edible products of that noble inland sea, whose fame is known of all men. Some of these will be in the beight af their season at the date of the convention, and the club doubtless will offer a typical Baltimore welcome to its visitors.

## Boston.

## MARKET QUIET.

The market has taken another slump after two weeks of brisk trade. During the past week the price of all staple flowers has gone off to a marked extent from those of last week. The warm weather has advanced flowers faster than they could be disposed of. This applies in particular to single violets, which have been advanced so quickly that they will be out of the market in another week or two. Roses are very plentiful, selling as low as 2 cents apiece, and the supply of carnations is also excessive and they are going at $\$ 1$ to $\$ 3$ per 100. Bulb stock has held its own in both price and ease of selling through all the ups and downs of the market the past two months. Both markets report the past week as having been very quiet in all lines.

## Notes.

N. F. MeCarthy \& Company will commence their annual spring auctions the first of this month. They will be held every Tuesday and Friday.

Mann Brothers have been bringing to the Boston Flower market some especially good pots of lilacs and rhododendrons.

Galvin's Tremont street store has had an especially attractive window display of gardenias the past week.
The Rosary, of Bromfield street, reports an especially good trade in the different varieties of bulbous plants.
H. P. S.

## Lenox, Mass.

The Lenox Horticultural Society has issued its schedules for its annual exhibitions this year. On June 22 cut flowers, roses, perennials, plants, fruit and early vegetables will be shown; the second exhibition will be on August 24, and the date of the chrysanthemum show is not set. The society has thirtyone life and nincty-three annual members.

## SUMMER FLOWERING BULBS

## TUBEROSES.

Dwarf Pearl, first-class, strong bulbs, per 100, \$ 1.00 ; per 1000, 88.00 . Dwarf Peart, medium size, per 100, 60c; per 1000, GLADIOLUS.
All strictly first size bulbs. Per $100 \quad 1000$ Augusta, pure white, blue anthers.... $\$ 3.00 \$ 26.00$ Brenchleyensis. intense scarlet..... $1.35 \quad 11.50$ Ceres, pure white,spotted purplish rose 1.25 10.50 Mme. Moneret, delicate rose color.... $1.50 \quad 12.50$ May. pure white, flaked rosy crimson.. $1.50 \quad 12.50$ Vaughan's XXX Florist Mixture.
This mixture is made up from naued white and light varieties and mixtures of light colors only. Per 100, $\$ 1.75$; per $1000, \$ 15.00$.

## VAUGHAN'S SEED STORE,

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## Seed Bags

## for the trade

We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

Brown Bag Filling Machine Co. FITCHBURG, MASS.
Alfred J. Brown Seed Co, -Growers of-
garden Peas and beans
For the Wholesale Trade.
Grand Rapids, - Mich.

## SEED GROWERS

Flold, Swoot and Pop Corn. Cuoumber, Melon and Squash Seed.
Write us hefore placing contracts. We have - Hperior stock seed snd can furnlsh you good seed st ressonsble prices. Address
A. A. BERRY SEED COMPANY, CLARINDA, IOWA.
THE HORTICULTURAL TRADE JOURNAL.
The largest, brightest, and best advertis ing medium for the Horticultural Trade in Great Britain, published weekly. Also
the international horticultural

## TRADE JOURNAL.

Published quarteriy. Both mailed post free for one year for One Dollar. -PUBLIEAERB:-
the horticultural printing company, BURMLEY, ENGLAND.

Indispensable and Refreshing.
American Florist Co.:-Please find enclosed $\$ 1$ for the American Flobist for another year. It reminds me of the old-fashioned New England Saturday night bath, quite indispensable and very refreshing to the receiver each week.
C. W. Sibley.

## BERMUDA Harrisii Bulbs

 THE "SEMPER IDEK" BRAND.I am now booking orders for July and August delivery. Prices on Application. $* * *$

## CHAS. A. V. FRITH, HAMILTON, BERMUDA.



## Van Zanten Brothers, <br> ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE HILLEGOM, HOLLAHD.

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CKUCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCH BULBS, ROMAN HYACINTHS PAPER WHIIE GR., ETC, Ask quotations from our traveler

MR. G. HYLKEMA,
Care ol Messrs. Mallus \& Ware, 136 Waler Sl., New York.
Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

## LEONARD

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FEADQUARTERS Flower Steds
FNION SETS. Bnd
WHOLESALE
SEED GROWERS
Seeds for present requirements ready to shlp. Contract orders for delivery after harvest 1005 are being booked now. Boons, Poas and Gardon Soeds.
CHICAGO.
New Dahlias of Proved Merit.
Embracing a complete set of 12 Now Contury Dahlias; 25 Now Cactue Dahlias Now Collaroite Dahlistis Nsw Glant-Flowired Dahllas; Now Fancy Dohllas; Now Decoratlve Dshllas ; Now Show Dahilas; Now Single Dahlias. in all, 38 of the most wonderful Single Dablias ever produced, and 44 of the grandest Double Dabllas

All exquisite in form, shape and coloring: free hloomers and Monoy Makerm. Faithfully.and

L. K. PEACOCK, Inc.,

Atco, N. J.

## TheNurseryTrade



PigGott, Ark.-A horticultural society has been organized, and the members will plant 28,000 Elberta peach trees at once.

La Porte, Ind.-H. W. Henry is building a new packing house $24 \times 40$ feet, two stories high for handling nursery stock.
"Raspberries" is the title of Farmers' Bulletin No. 213, by L. C. Corbett, just issued by the Department of Agriculture.

Wakefield, Mass.-The park commissioners have organized with G. H. Maddock, chairman, and Eugene S . Hinckley, secretary.
Fremont, Mich.-The Michigan State Horticultural Society numbered 300 members at the spring meeting, March 22. A. C. Bird, state food commissioner, delivered an address on "The Relation of the Food Commission to the Fruit Grower.'

Milwaukee, Wis.-A bill has been introduced in the legislature authorizing the appointment of a shade tree commission in this city, giving it authority over all trees on avenues, streets and villages, excepting those under supervision of the park board, With power to plant, transplant, remove, trim, spray, etc., with an annual appropriation of $\$ 5,000$ to $\$ 8,000$.

## 600,000 Roses

2 -inch pote, $\$ 25.00$ par 1000.
$\begin{array}{ll}\text { Dorothy Perkins } & \text { Empress of Chins } \\ \text { Everereen Gem } & \text { Etole de Lyon }\end{array}$ Gardenis Ftolle de Lyod
Galden Gste Mma. F. Kruger Per 1000
Clothilde Soupert. $\$ 30.00$
Mme. Cochet, pink and white. 30.00

Climbing and Irailing Roses.
$\begin{array}{r}30.00 \\ 3.00 \\ \hline\end{array}$
For Varietlea, Seo Whoiesale List.
The ELIZABETH NURSERY CO.
Elizabeth, N. J.

## NOTICE.

W. van Kleef \& Sons

Wholesale Growers of Nursery Slock. BOSKOOP, HOLLAND,
ISeg to innounce that their representative, W. trade. All correspondence during April and Msy. care Meltus de Ware, 135 W ster St., New York.
Please mention the American Florist when writing.

## callforilia PRIVET cheap

100,000 well grown plants, 3 to 4 fest, selected,
A.00 per 100; 25.00 per 1000 . $21 / 4$ to $31 / 2$ fegt, 7 or more brsaches, 82.50 per 100: $\$ 17.50$ per 1000: 20 to 30 in. 5 or mare branches, 82.00 per 100: 813.00 per 1000. 18 to 24 in, light, 2 yerrs, 3 or more brenches,
8150 per 100.5700 per 1000 . All of the sbove $8150 \mathrm{per} 100,8700$ per 1000 . All of the sbove
boxed, $f$. o. h. here. For car or large lots write betore placiag your orders.

CHAS. BLACK, HIghtstown, N.J.

## ROSE PLANTS OWN

All proparsted from wood tsken from plant growing in the feld. llave not been forced Ars ont of daars, with no protection whatever. safe to ship suywbere without soll on roots Try them god see if they do not beat forced stcek grown from forced wood. We have over 100,000 yet ta sell, and to clean them up quickly, following prices will apply so long as stock lssts.
Cash, please, or ss tisfactory refersoces.

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\begin{aligned}
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& \text { Prices and Varieties. Per } 100 \text { Per } 1000 \\
& \text { Agrinnins. }
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 Capt. Christy | 2.00 |
| :--- |
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Cecil Brunder
81800
Cloth of Gold (chromatelia).
Cherokse (single)......................... 2.0 J
2.00 Cherokse (single) Clars Watson 1.50
2.00 Clars Watson ......... 2.00
250
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Climbing Cecil Brunner. 250
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Climbing Clotbilde Soupert. 250
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CALIFORNIA ROSE CO., Los Angeles, Cal.

## Tottenham Nurseries, ri <br> Established 1872.

A. M. C. VAN DER ELST, Managing Director.

Dedemsvaart, (Holland.)
Headquarters for Hardy Perenoials (among which are the latest and choicest) 13 acres devoted lor growing this line as Anemone, Aster, Campanula, Delphinium, Funkia Hemerocallis,
Hepatica, Incarvillea, Iris, Peonies, Phlox decusHepatica, lncarvillea, Iris, Peonies, Phlox decusTritoma, Hardy Heath, Hardy Ferns. Also 5 Tritos Daffodils 12 acres Conifers, (opeciall acres Daffodils, 12 acres Conifers, (specially Rhododendrons (also the best American and Alpine varieties), 2 acres Hydrangeas. We make it a point to grow all latest novelties in these lines. Ask for catalogue.

## Beautiful Grounds.

An illustrated Manusl containing suggestions on Lawn Msking, Planting and care of Shrubs snd Trees, with names and descriptions of vsinsties bsrdy sad of merit. Alsoinformation regserdIng Landscape Plans, Topographical Surveys, etc. A book you will often refer to. Send for it to-dry. Fres on applicertion.
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MAGNIFICENT STOCK. LOW PRICES. Send for ANDORRA NURSERIES, WM. Warner harper, Prop.
CHESTNUT HILL,


SHADE AND ORNAMENTAL TREES.
( $3 / 1$ tol-in. 1-1n. 11/9.in. 2-in. 3-1n. Carolina Car, Poplar.. 8c $10 \mathrm{c} \quad 16 \mathrm{c} \quad 300 \quad 40 \mathrm{c}$ $\begin{array}{llllll}\text { Soft Mapla. Ist cliss... } 7 \mathrm{c} & 9 \mathrm{c} & 12 \mathrm{c} & 20 \mathrm{c} & 35 \mathrm{c}\end{array}$ Elm, Americ'n,1stclassi0c 14c 200 Catalpa Speclosa.... $120 \quad 14 \mathrm{c} 200$
Catalpa Spaciosa. SHRUBS, ETC.

## yringa, Gsrland. 3 to 4 ft .

Syingas Gsrladd..................... 500 6c 800 9c
Splrea, Bultardii .................... 500 5c 700 9c
$\begin{array}{lllll}\text { Lilac, purple. } & 1000 & 12 \mathrm{c} \\ 400 & 8 \mathrm{c}\end{array}$
Barberry, purple.................... 600 3c 700 5c
Fringe, purpla
Hydrangea,

Althea, essorted.................... $1000 \quad 70$
PEACH TREES (24 Best).
First class, 5 to 7 feet................................ 414 c C

Light, 3 feet ........................................... $31 / 2 \mathrm{c}$
Blackberry, 6 varieties, frst-clsss, root-cut-
Biackberry, 6 varieties, frst-clsss, root-cut-
ting plsnts ......................................... 10
curg plsnts .......................................... 30
Shrubs, 15 sorts, 2 feet.................
5 Through Trunk R. R. Lines Irom Springfield, III Free boxing for cash before shipment, snd st nost if payment by May 15. Certifcate from Entomologist on esch payment.
Yours sincerely

## SPAULDING N. \& O. CO., Near Springfield. SPAULDINC, ILL.

## Hardy Roses <br> Fine 2-year fleld-grown Gen. Jscqueminot,

 Magns Charts, La France, Crimson Rambler, eto., frst size, 12c; sacoud size, Crimson Rambler XXX. 20c; large flowarod Ciomatls, finest purple, lses ge; extrs 3-yes 30c Clematis Panicu lata O-year stroog 10 c . Ampolopels Voltch lata, 2-year, stroog, 10c. Ampolopals Veltch10c. Amarican lvy, 8c; Honaysucklo, Hsll's 10c. Amarlcan lvy, 8c; Honoysuckle, Hs.l's, etc., 8c; Hydrangea, P. C.. ${ }^{\text {she; }}$ sotendid tree shsped specimess; 30c. Coldon Clow, strong roots, 4c. Hardy Phiex, finest osined sorts, 8 c and German. 10c: Hardy Shrube, in the leading varjeties, Althsess, 10c: Berherry, Purpio Leaved, etc., 10c: Deutziss, 10c; Jspsen Quinoe, 8o: Spiraess, 10 c ; Wergelias, etc. 100.
Evarything offered is strong, 2-jesr, fleld-grown, unless otherwise noted. Fruit snd ornsments trees, etc., priced on spplication. Packing free
W H SALTER Rooussern w. H. Saltin, mo seatit THEMOON

Company
For $\{$ Trees, Shrubs, Vines Your and Small Fruits. Desocriptive Illustrated Catalogne Froes THE WM. H. MOON OO.
Please mention the A merican Florist when zuriting. Bulbs and Plants.

For florists use, spring or int delivery
We import to order. Let us sppraise your wants.
AUGUST RÖLKER \& SONS, 31 Barclay St., NEW YORK, P. 0. Box 752

## SUCCESSFUL SELLERS

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THE AMERICAN FLORIST.

\section*{700,000 Cal, Privet <br> 3 угs., 21/2 to 3 ft., extra heavy. ........... $\$ 3.25 \quad 92800$ 3 yra., 2 to $21 / 2 \mathrm{ft}$., well branched........ 25023.00 3 yra., 18 to 24 in. $\begin{array}{ll}250 & 23.00 \\ 2.00 & 15.00\end{array}$ <br> 3 yrs., 12 to 18 10., 4 to 8 braaches | 150 | 1000 |
| :--- | :--- |
| 150 |  | 2 yra., $31 / 2$ to 4 ft., very heavy ........ 30020000

 2 yrs ., 2 to $2 \mathrm{y} / \mathrm{ft}$. <br> 2. yra., 2 to $2 y / 8 \mathrm{ft},$.3 to 6 brancbea 2 yra., 18 to 24 in., 5 to 8 brancbea...... 1.501000 1 yr., 14 to $20 \mathrm{in},$.2 to 4 $150 \quad 1000$ Cuttinga, atrong. $1.00 \quad 5.00$ Cuttinga, atrong 25c each All the above plants bave been transplanted and out back except one year. which makes them a clean, good stock. Parties wanting 5,000 or <br> River View Nurseries J. H. O'hacan. <br> LITTLE SILVER, N. J. <br> Please mention the A merican Florist zuhen zuriting.}

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Fralt Trece, Small Fralta, Ormamental Trees, Evergreens andshrabs, ihade'l'rees, Hardy
Roses, llardy Plants. C'limbera, etc. The most complete colleetions in this country. Gold Medal-Paris-Pao-A mericaoSt. Louis. 102 prizes New York State Fair, 1904.
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Estahlished 65 Yeara.

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The new hardy perennial. The finest ornamental grasa to be had-perfectly hardy can be used indoors and out, or run to seed. Strong field-grown roots, 15 c each by mail, postpaid. $\$ 1.26$ per dozed; $\$ 8.00$ per 100 by ex. press, charges oot prepaid. Can fill orders at any time. Terms cash with orders.

## James Vick's Sons, ROCHESTER, N. Y.

## Crerensis Crandilitora

## LONG STEMS.

Blooms as large as Cosmos. A most beautiful yellow. One year old. Out-door grown. Blooming size. $\$ 2.00$ per 100; $\$ 15.00$ per 1000.

## ORDER NOW.

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 Hurseries: BOSKOOP, HOLLAND. Rhododendrons, Azaleas, Magnolias, Lilacs, pot-grown, Hardy Evergreens, Etc.-Catalogue 1905-1906 Free on Application.-

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## HaRDOSHRIRSS,RAMBLERS

 $\xrightarrow{\text { and HYBRID ROSES }}$ SPR SPRING SALESGRUSS an TEPLITZ, strong, 2- Doz. 100 year old........................ $\$ 1$
MAMAN COCHET, strong, 2 -year old. ........................ 2 -year HERMOSA stroon CLOTHILDE SOUPERT, stroug field plants........................ $1.50 \quad 10.00$ $\begin{array}{lllll}\text { AMERICAN BEAÜTY } Y \text { nun roots } & 1.50 & 10.00\end{array}$ KAISERIN AUG. VICTORIA.... 2.502000 PAUL NEYRON, budded........ LA FRANCE, budded MME. PLANTIER owe roots.... TREE ROSES, II $2.50 \quad 20.00$
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2-year ald RAMBLERS, stroog,
e-year old, No. 2.
OROTHY PERKINS...$\quad$.. 1.5010 .00180
year old ..................... $2.50 \quad 20.00$
H. P. ROSES, grated $2-$ ear-old,

Capt Christy, Fisher Holmes,
Capt. Christy, Fisher Holmes,
Gabriel Luizet, Maga Cbarta
Mrs. Johu Laing, Ulrich Brun-
oer, etc., all at.... .. ......... $1.50 \quad 11.00$ FLOWERING SHRUBS.
AZALEA MOLLIS, mixed
kiads, 20 buds.............. . $40 \quad 400 \quad 30.00$
HYDRANGEA paniculata
$21 / 2$ to 3 feet.

Standard hydrangeas, bushy tops 300
DEUTZIA GRACILIS, pat- Each Doz. 100
grown for 7 -inch pots..... $\$ .15 \$ 1.50 \$ 12.00$
field-growa 3 to 4 ft ., strong
and buslay
$3.50 \quad 25.00$
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$40 \quad 3.50 \quad 25.00$

CLEMATIS JACKMANT, Q-year. Doz. 100 CLEMATIS JACKMANI, ….... $\$ 3.50$ \$30.00 CLEM.....is JACKMANI, iJ...... $4.50 \quad 35.00$ CLEMATIS JACKMANI, ist ast'd $3.50 \quad 25.10$ AMPELOPSIS VEITCHI, $3^{\circ}$ tı 3.50 25.10 AMPELOPSIS VEITCH1, $\because$ to $2.00 \quad 16.00$ ARISTOLOCHIA SIPHO 3 to $\ddot{1}$ 1 万i 14.00 ft., heayy................... ...... 3.51)

BOX TREES (Buxus Somparvirons).
New importation, just arrived in fine con-
Standard or Tree Shaped, stems about Bush Shaped, rety fiae bushy each 4.00 Bush Shaped, very tive bushy plaats. 18 to 20 nindles high, each ................. 1.00

Pyramidal Shaped, fine sbapel! trees, $31 / 2$ feet bigh, tach .............................. 3.50

PAEONIAS. In caso fols.
We have this ytar speured a fine lot of Peonia Chnensis in fancy oamed sorts. suntable from florists use, aft young roots, one year from divisions and with three to five eyes. These casts contain 67 double white, 66 200 roots in all. We offirethen sort named. price of $\$ 2000$ per case, or 3 carss for $\$ 55.00$.
We camnot break cases at these prices.
In Soparato Colors. Stroag ruots, averDouble red aud crimson . . . . . . $\$ 1.50 \quad \$ 1200$ Double white.......................... 150 12.00 Double piok ..........................1.25 10000
Moubie, all SPECTABILIS .... 100
$\begin{array}{lll}\text { DIELYTRA SPECTABILIS..... } & 1.00 & 7.00 \\ \text { SHASTA DAISY, } 3 \text {-inch } & 60 t \mathrm{t} . . . & .75 \\ 6.00\end{array}$

# VAUGHAN'S SEED STORE, Chicago. 



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## RHODODENDRON MAXIMUM

And other Broad-Leaved EVERGREENS by the carload or in smaller quabtities.
Ornomental TREES, SHRUBS and ROSES In groal vorloty, HERBA. CEOUS PERENNIALS by the thoueand.
See our Special Herbaceous Catalogue and Wholesale Trade
BAY STATE NURSERIES, North Abington, Mass,

## Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave. New York; Robt. Kift, J725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

Let New Yorkers Line Up.
A flippant Philadelphia dispatch to The New York Herald yesterday read as follows:

Mrs. Anne Welghtman Walker has added $\$ 2$ to her fortune of $\$ 60,000,000$ for winning prizes for the best beans, primroses and mushrooms displayed at the annual meeting of the Pennsylvanla Horticultural Society, in Horticultural hall yesterday. J. Vaughn Merrick, a millionalre, likewlse won $\$ 1$ for cultivating to perfection the modern primrose.

Had Mrs. Walker or Mr. Merrick sought notoriety by some of the expedients with which fashionable fools get rid of their money there would have been no invidious mention made of it. But give us still the growers of the best beans, primroses and mushrooms. They will, at least, have added something to the store of common benefit and beauty for which their fellows are their debtors. -Philadelphia Record.

## At Philadelphia.

There has not been much about the boys of the Quaker City in these columns lately. Still they are all alive and while not saying much are busy sawing wood. If that New York gentleman would like to have a go with us be will find our latch string out and good cheer inside. He can have everything we have but the game and of course that might also come his way, but we doubt it. Some great scores were put up on the alleys last week. The veteran Wm. K. Harris, put up 235 and 205 together; John Westcott made 239, high for the year. John Burton also made 205 and there are many other high games. In an interclub league of four of the leading clubs of the city a team from the club is leading with a good margin to its credit and it looks as if there will soon be another silver cup for the casc. The following are the averages of all games bowled for March:

## Player.

## Roberts Moss. <br> Connor

Talck
Westcoit
Glbson
Gardner
Andersis
Klayer
Starkey
Watson
Cralg
Smativ
(ampluall

## At Denver.

The Florists' League is keeping busy as the following scores will show. The teams are evenly matched and the rolling of Messrs. Mauff, Berry, Kennedy and Scott at the last meeting was noteworthy. The scores follow:

TEAM NO. 1

| Player. | 1st | 2d | 3d |
| :---: | :---: | :---: | :---: |
| Brenkert | 154 | 139 | 166 |
| Reynolds | . 161 | 122 | 128 |
| Valentine | 153 | 160 | 122 |
| Benson | 149 | 188 | 168 |
| Totals | 617 | 609 | 578 |
| Player. | 1st | 2d | 3d |
| Cooper | 118 | 147 | 124 |
| C. Benson | 153 | 141 | 127 |
| C. Mauff | 204 | 163 | 168 |
| Glauber | 178 | 134 | 196 |
| Totals | 653 | 585 | 615 |
| Player. | 1st | 2d | 3 d |
| Mahen | 176 | 130 | 120 |
| Berry | 205 | 156 | 162 |
| Kurth . | 172 | 146 | 160 |
| Zimmerman | 159 | 183 | 151 |
| Totals | 712 | 615 | 593 |
| Player. | team no. 2. $1_{\text {st }}$ | 2 d | 3 d |
| Frazer | . 134 | 134 | 181 |
| Keanedy | ... 156 | 148 | 204 |
| Scott | . 147 | 204 | 134 |
| Blind | 164 | 195 | 141 |
| Totals | ... 601 | 681 | 660 |

Cincinnati.
The warm weather of the past week had a tendency to send stock along with a rush and the commission houses had a surplus of stock the like of which has not been seen for many days. Carnations seemed to be the biggest glut but Will Murphy says that there will be a let-up within ten days and as Will is in a position to know we trust that his predictions will come true. Of course there were flowers of all kinds and the returns to those who use the commission houses for their outlet will not be very encouraging this week.

The flower market on market days is a mass of fine plants and cut flowers but business is not very brisk according to the statements of some of the stand holders. How very different it is

## JOHN BURTON, Assignee Ior <br> ROBERT CRAIG \& SON, ROSES, PALMS.

and Hoveltiee in Decoralive Piants.
Markot and 49th Sts., Phlladolphla, Pa.
Please mention the American Florist when zuriting

## CANNA

WEST VIRGINIA.
Best of the Crozy Type. Gold Medal at St. Louis. Started plants now ready, $\$$ aj.00 per 100 . Stook IImliod. OUS. OBERMEYER,
Box 219.
PARKERSBURC, W. VA.
in the different seed houses. At J. M. McCullough's Sons Company's an increased force of employes is working day and night to get out the orders and all hands are as busy as bees.

Elias Critchell, Robert Ruth, Wm. Gardner, Joe Spunk, George Magrie and Arthur Becker constituted a party that made a trip to New Castle to visit some of the rose growers last Thursday. They reported a good time and everything bright for a big cut of roses from the rose city for Easter.

If the present warm weather continues there will not be many bulbous flowers for Easter, as the majority of bulbs planted in the open ground are in bloom. However, George \& Allan, the largest bulb growers of this section, say they will have a nice lot of stock.
A visit to Rosebank Company's greenhouses last week found everything looking well, with prospects of a good cut for Easter.
Sidney Wertheimer, of New York, was a visitor this week.
A. 0 .

CHRYSANTHEMUMS Rail A FEW OF OUR LEADERS:
Wm. Duckham. Ben Wells. Mrs. Thirkell, 8200 ; F. A. Cobbold, Leila Filkins, $\$ 3.00$; Dr. Enguehard, $\$ 1.00$ per 100.
Asparagus Sprengeri. strong 214 and $314-\mathrm{in}$. 81.75 per 100; $\$ 15.00$ yer 1000 .
Send for complete list. No order flled less than 81.
W. A. CHALFANT, Springfield, Mo.

## Chrysanthemum Novelties <br> Merstham Yellow, Whlte Coombes, Emily Mile-

am, Valerle Greenham, Mrs. H. A. Allen and
all other novelties 500 each; 85.00 per doz.
Mrs. W. Duckham, the cup winner, 75c each; 87.50 per dozen. Send for list.
CHARLES H. TOTTY, Madison, M. J.
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## Orchids!

Just at hand. in euperb condition. our first shipment of CATTLEYA LABIATA. Write for prices.
We also recommend our large stock of wellgrown, established ORCHIDS. Write for catalogue.
Lager \& Hurrell, SUMMIT, N. J. Orchid Growers and Importers.
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ORCHIDS
Lardesi Importers, Exporters, Growers and Hybridists in the World.
SANDER, SL. Albans, England. Agent, A. DIMMOCK, 31 Barclay St., NEW YDRK CITY Please mention the American Florist when writing.

## Stanley \& Co. southaate, enclano.

Calleva labiala autumnalis, magnificent; leafy dormant, plump and clean plants now arriving. WRITE.
Please mention the American Florist when wriling.


TO BE ISSUED

# APRIL 15, 1905. <br> Best Easter ${ }_{\text {00 }}$ Spring Business SECURED BY ADVERTISING IN <br> The American Florist. 

NO WASTE, NO FICTITIOUS INQUIRIES.

LOOK AT THE RATES.
Advertisements in body pages will be taken at our ordinary rates, namely, $\$ 1.00$ per inch, $\$ 30.00$ per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is $\$ 30.00$ per page on yearly contract. Advertisements on second, third and fourth Special Cover Pages printed on heavy toned paper, $\$ 35.00$ per page, net.

THE BUYERS READ THAT PAPER WHICH IS BEST WORTH READING.

## WHAT THEY SAY:

WORTH HUNDREDS OF DOLLARS. american Florist Co:-The "Carnaltion Number" is certainly worth hundreds of dollars to carnation growers.
d. Zhamatan

Janary si,
SPLENDID AOVERTISINC RESULTS.
Amertican Florist Co:-Kindly change our advertisement to read as per enclosed copy. We have had splendid results from our advertlsing in your paper and have turned down several hrap orders note streator, Ill.

SELLS STOCK OUT CLEAN.
American Florist Co:- Please discontinue my advertisement for a short time in the American Florist. The l-inch advertisement in your parper hits sold about 45,000 Cannas for me within
the last 3 or 4 weeks. We are now sold out. the last 3 or 4 weeks. We are now sold out.
Whenever I have a surplus I will surely Whenever I have a surphus I wil
make it known through your paper make it known through your paper
March 14,1905 .
W. WUS.

The announcement of every regular advertiser appears in Ready Refererice Advertising Department.

## AMERICAN FLORIST C0.,

 324 Dearborn Street, CHICAGO.PLEASE MAIL YOUR ADVERTISEMENT NOW.

## The King of All Scarlet Carnations

## ROBERT CRAIG (wart)

## Will Not Be Dissominated TIII 1906. : : Flrst Delivery Commoncing Deoomber i, 1905.

 THE IDEAL CHRISTMAS CARNATION.A Genuine Non-Bursting Scarlet Lawson. JUST THE COLOR OF THE HOLLY ERRRY.

Sond your orders now, with privilege to esncel same at any time prior to December 1, I905, if oo iospention vsiriety does not prove 2.500 lols al $\$ 95$ per 1000; 5,000 lols at $\$ 90$ per 1000; 10,000 lols or more al $\$ 80$ per 1000

## Has Been Awarded The Following Honors:

PRELIMINARY CERTIFICATE.
American Carastion Society, 92 polats. SPECIAL DIPLOMA.
A merican lostitute of New York. FIRST-CLASS CERTIFICATE OF MERIT.

Msssachusetts Horticultural Soclety. FIRST-CLASS CERTIFICATE OF MERIT. FIRST-CIASS SS CERTIFICATE OF MERIT. CUP lar besl undisseminaled seedling ior besl undisseminaled seealing. Philedelphis FIRST PRIZE best 100 scarlel.
FIRST PRIZE best 50 scartel seedling.
Chicago.
Chicsgo.

# My Maryland 

Was the Sensation of the Chicago Exhibition. Easily Out Ranks any Other White.
Awarded first-class Certiticste of Merit by the American Csrnation Society. Lawson Broaze Medal for 100 blo ms and S. A. F. Brouze Medal for 50 blooms. We predict that this variety will essily displace soy other white.
We are hookligg orders now for delivery Janusiry 1006 . Price, $\$ 2.50$ per dozen; 812.00 per 100; 1100.00 per 1000 . Write us for other new sad standerd va
H. WEBER \& SONS, Oakland, Md,

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WELL ROOTED, FROM SELECTED STOCK.

| NELSON FISHER | $\begin{gathered} \text { Per } 100 \text { Per } 1000 \\ \ldots \$ 6.00 \\ \$ 60.00 \end{gathered}$ |  |
| :---: | :---: | :---: |
| MRS. M. A. PATTEN | 6.00 | 50.00 |
| FLAMINGO. | 6.00 | 60.00 |
| CRUSADER. | 5.00 | 40.00 |
| D. WHITNEY | 5.00 | 40.00 |
| ENCHANTRESS | 300 | 25.00 |
| MANLEY.. | 8.00 | 25.00 |
| H. FENN. | 2.60 | 20.00 |
| FAIR MAID | 2.50 | 20.00 |
| QUEEN. | 2.50 | 20.00 |

BACKER \& CO., Billerica, Mass.

W.J.Palmer \& Son, Lancaster, n. r.

## Rooted Cuttings.

PREPAID, per 100. Ageralum, S. Gurney, 50 c . Allernantheras, hest red aod yeliow, Fuchsias. Tropbes and other qood sorts, \$1.00. Salvias. Spleodeas. Hondre, 80c. Heliotrope. biue, $\$ 1.00$. Pelunias, 10 best sorts, 8100 . Alternanthera, best red, tine, 2 -loch, 2 ets. Cash.

BYER FLORAL CO., Shipponsburg, Po.

| AMERICAN | Mluays do hasinmss |
| :---: | :---: |
| ORIST |  |
| ADS |  |




## PETER REINBERG, 51 Wabash Ave., CHICAGO.

WHITE LAWSON which we introduced last season has given preat satisfaction, and has proved to be The Finest White Carnation ever sent out. Remember we are headquarters for it. The demand will undoubtedly exceed the supply this season, and in order to secure early delivery, no time should he lost in placing order. We are now booking orders for early January delivery. Orders will be illed strictly io rotation as received, so the earller orders are booked the earlier deliveries can be mattings $\$ 7$ per $100 . \$ 60$ per 1000 Also cuttings. \$7 per 00 : $\$ 60$ per 100. Also the other Burki. sic. A lso the cream of older sorts-Mrs. M . A. Patten, Daheim. Enchantress, Flamingo. Mrs. Ahos. W. Lawson. stc.

Please mention the American Florist when weriting.

Geraniums
10 varieties, fine plants, $21 / 2$-in. pots...... 83.00 10 varietfes, fige plants, $3 y_{2}$-in. pots...... 400 Alternantheras, red and yellow............... 2.00 Asp. Plumosus Nanus, 2lif-ln. pols.......... 2.00 Asp. Sprengerl, 2 $\frac{1}{6}-1 \mathrm{ln}$ pots.................. 2.00 Pansy Plants, large. Vinoa Vine, Var...................................... 50 CASH or C. O. D.


12 varieties, 24 -inoh pots................... $\$ 2.00$
Contaures Gymnocerpa ..... 2.00
Primrosen, Chinese, Ubconica and ForbesiJuly $1 .$.2.00
Cannas, 10 varieties, 4-In. pots................... 5.00

## Caration CUTTINGS.

Our Cuttings are Well-Rooted and Taken From Selected Stock CLEAN and HEALTHY.

PRICE LIST.
Per $100 \quad 1000$
Lawson............................... $\$ 1.50 \$ 12.50$
Guardian Angel................... $1.00 \quad 9.00$
Enchantress......................... 3.0025 .00
Morning Glory...................... $1.50 \quad 12.50$
Mrs. Higinbolham................ $1.25 \quad 10.00$
Estelle................................ 2.5020 .00
Chicago............................... 2.0015 .00
Adonis................................ 2.5020 .00
Flora Hill............................ $1.00 \quad 9.00$
White Cloud......................... 1.2510 .00
Her Majesty......................... $1.50 \quad 12.50$
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Orders Filled Promptly.
WIETOR BROS.

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## Red Sport

## CARNATION.

the great "Bread and Butter" holly berry red. Early add contiduous, sure crap for Christmas. Never splits; strong bealthy grower, 24/2 to 3-inch flower on long wiry atem that well supports the bloom, an easy doer sad an all-around money maker. 'Nough said. Price for immediate delivery, 12 for $\$ 1.50 ; 25$ for $82.50 ; 50$ for 84.00 , all postpald. 88.00 per $100 ; \$ 50.00$ per 1000 .
QUEEN LOUISE the atandard white, strong healthy well-rooted, 81.25 per 100, postpaid; 910.00 per 1000. Satisfaction Guaranleed.
A. B. DAVIS \& SON, Pune

CARNATION SPECIALISTS.
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GEO. A. KUHL,
PEKIN, IRL. 2-iv. 3-in.

 83.50
2.50
2.50 Petuniss, doubl

## Guchsis.

Salviss.
Coleus...
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Cannas...
Feverfew.
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American Florist

## LILE finding MONEY

are the prices we will quote on large lots of the following roses: STRONG, FIELD-GROWN PLANTS, ON OWN ROOTS
CRIMSON RAMBLER $)^{\text {Price for Moderate }}$ DOROTHY PERKINS

LA FRANCE
(and not less than 25 of a kind) $\$ 9.00$ per 100
If You Can Use 500 or More of Any One Kind, get our special prices. They will surprise you. We are over-stocked with these kinds and the first comers get the benefit. They are fine stock.

Send for our complete price list. There are other bargains in it. Use printed stationery. We send it only to the trade.

## JACKSON \& PERKINS CO. Newark,



# 200,000 CARMATIONS <br> CLEAN, HEALTHY STOCK. 



## LOOMIS FLORAL COMPANY,



## CUTIINGS.

Fine, Clean, Healthy Stock. Satislaction Guaranleed.

## CARNATIONS.

## RED

CRUSADER
FLAMINGO
Per 100 Per 1000

ESTELLE $5.50 \quad 45.00$ PINK
MRS. NELSON $50 \quad 12.50$
MRS. LAWSON 1.50
1.50

GUARDIAN ANGEL............................ 1.50
MRS. JORS … . . . . . . . . . . . . . . $1.00 \quad 8 \quad 800$ GENEVIEVE LORD.................. 1.00 8.00 LICHT PINK
ENCHANTRESS......................... 3.50 WHITE
BOSTON MAREET . ................... $2.50 \quad 20.00$

OUEEN LOUISE ......................... 1.00
FLORA HJLL ............................... 1.00
VARIEGATED
M. A. PATTEN............................ $5.50 \quad 45.00$

## ROSES

2ห.ln. pot plants. Per 100 Per 1000 BRIDESMAID......................................00 3.00 \$5.00

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## GEO. REINBERG, <br> 51 Wabash Ave., CHICACO.

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## Macarthur Roses.

 EXTRA FINE STOCK.$\$ 10.00$ per 100; $\$ 90.00$ per 1000.

## Chatenay Roses

EXTRA STRONG.
$\$ 3.00$ per $100 ; \$ 25.00$ per 1000 .
THE GASSER COMPANY,
Euclid Avenue, CLEVELAND, OHIO.
Don't Forget to Ask for Our FERN LIST.

Shall be pleased to fill sample order and will guarantee satisfaction.

## Geo. A. Kuhl PEKIN, ILL.

## Carnations

 ROOTED CUTTINGS.Send for price list of all the new and standard gorts.
Wm. Swayne, keneel isoluar
Spring Number Next Week
send advertisement now.


We have a very fine lot in $21 / 2$ inch pots at $\$ 25.00$ per 100. Having decided to increase our planting of WELLESLEY
We have several thousand first-class grafted BRIDES and BRIDESMAIDS in $21 / 2$-inch pots, which we intended for our own use and which are now offered for sale at $\$ 10.00$ per 100 .

- 1000 Rates on Application.-


# WABAN ROSE CONSERVATORIES, 

 NATICK, MASS.JOHN N. MAY, - . . Summit, N. J.

Please mention the American Flor wht when miting.


## cravy Gen. MacArthur.

IHE most prolific flowering Red Rose in the market to-day. Grows finely in same temperature as Brides or Maids, and will produce fully as many first-class flowers as either.
$21 / 2$-inch Pot Plants, own roots.............. $\$ 10.00$ per $100, \$ 80.00$ per 1000 Strong Grafted Stock from 3-inch pots....... .................... $\$ 12.00$ per 100

## The STORRS \& HARRISON CO.

PAINESVILLE, OHIO.

TRANSPLANTED VIOLET LAYERS,
Princass of Wales, 81.50 per 100: 810.00 per 1000 .
Peonies in fine assortment. Distinct colors, named sorts. $\$ 1.50$ dozen; 810.00 per 100; $\$ 9000$ per 1000 ciamslia, large lowered, red, White and purple, good 00 per doz 00 per strong, \$1 0u perdoz: : 8.00 per 100; 24/-\{n, pots. 750 per doz.; \&4 00 per 1c0
F. A. BALLER, Bloomington, III.

Grand Rapids Violet Stock
Clumps from the bench of M. Louise. Imperial and Princess of Wales, $\$ 5.00$ per 100; $\$ 1000$ per 1000 ; Rootrd Cutiuga, R1U 00 per 1000; Pots, $\$ 250$ per $\$ 5 . c 0$ per 1600
CRABB \& HUNTER, вarnomatros.
Please mention the American Florist to advertisers.

## Omaha.

Business has been good right along and prices are firm both in cut flowers and plants. American Beauty roses are at their best as well as all the tea roses. Carnations are scarce and hard to get in this vicinity; it seems they are out of crop. Some fakirs sold a fine lot shipped in from Chicago for 25 cents per dozen, while the florists sell them for 50 to 75 cents per dozen. Patted plants sold well, especially azaleas. Easter lilies are showing up good and there will be no scarcity of them for Easter.
C. Ederer had a son recently and the cigars were good.
G. Swoboda and family will leave for Europe May 14.
S. B. Faulkener is cutting 3,000 fine violets a day.
Mrs. P. B. Floth is still very sick.
Gripie.

## Lowell, Mass.

Business done here so far during Lent has been very good. While the cut flower trade has fallen off considerably, the amount of funeral work has more than made up the deficiency. With the approach of April, business has taken on a new aspect, in the way of decorations. The department and millinery shops are having their spring openings, which eall for plenty of plants, and many flowers. The only trouble experienced with these decorations is that they all come in a bunch. The supply of cut flowers is of good quality with about everything available except single violets, and what few there are left are commencing to look as if they were all in. Pansies are galore and find ready sale when bunched up with galax leaves, twenty-five to a bunch.

John Gale continues to bring in the best violets that come to town. While most growers have discarded their singles, John brings in some crackerjacks.

Mellor \& Saunders furnished a large wreath for the funeral of the late President Capen of Tufts college, last Saturday.
A. C. Tingley's calla lilies, pansies and mignonette are of excellent quality and there seems to be no end to the supply.
M. A. Patten \& Company, Tewksbury, have as fine a stock of mignonette as one could expect to find.
A. M.

## Syracuse, N. Y.

Looking forward to the approach of Easter it appears that there will be plenty of stock and it is expected that prices will be lawer than last year on account of the fact that the festival comes so much later. On account of the disease which struck Easter Iilies last year mauy of the forists did not raise any this year. Those who did not, wisb they bad, because there is no sign of disease and the prospects are that the demand will be larger than the supply. P. R. Quinlan \& Company have a splentid lot at their Valley range. Prices are about the same and trado holds good considering the fact that it is Lent. Azaleas bring $\$ 1$ to $\$ 4$, carnations from 75 cents to $\$ 1.25$ a dozen, roses from $\$ 1.50$ to $\$ 3.50$ per dozen, -inerarias 50 cents and calla lifics $\$ 3$ 1"x rlozen.
Julia A. Deegan, widow of Thomas Eregan who was electrocuted October Is at the greenhouses of Lyman C. Smitt, has sued the Syracuse Lighting

Company for $\$ 25,000$. Mr. Deegan with William C. Dixon were engaged in placing some steam pipes in the greenhouse. A transformer was in the way and Deegan and Dixon took a crowbar, placed it under the transformer and started to lift. They immediately sank to the ground and died almost instantly. It is said that Dixou had turned off the current and that a lineman not aware of the fact had turned it on again.
P. R. Quinlan \& Company had the decoration at the Smith-Haberle wedding, the largest one of the season. Palms, ferns, American Beauty roses and orchids were used in great profusion.

H 1 A. J. B.

## The Beautiful Pink Carnation

CANDACE 82.00 per doz.: $\$ 12.00$ per $100 ; 8100.00$ per
1000. Dissemination 1906. Early commercial.
IHDIANAPOLIS FLOWER E PLANT CO., \} Indianapoils, JOHN HARTJE.

Ind.

## ROOTED CARNATION CUTTINGS

WHITE LAWSON ............... ..... . 86.10085000 FLAM1NGO........ .... $6.00 \quad 5000$ ENCHANTRESS $\begin{array}{cc}3.00 & 25.00\end{array}$ THE QUEEN. 2.5020 .00 CARDINAL, from 2 -inch pots..... 12.00 barchmont Nurseries, Larchmont. N. Y.


## APRIL PRICES.

CARNATIONS

Queen Louise (from soil) Per 1000 Queen Loulso (from sand)... $\$ 1000$ $\begin{array}{lll}\text { Queen Louise (from sand)... } & 7.50 \\ \text { Floriana (from sand)............ } & 7.50\end{array}$ | Floriana (from sand) ............. |
| :--- |
| H. Fenn (from sand)............ |
| $\mathbf{1 0 . 0 0}$ |
| H. |

$\qquad$ 10.00

## GERANIUMS SMILAX asparagus

Send for summer list. 1 bave this stock by the 100,000 .

## ALBERT M. HERR, Lancaster, Pa.

# Now Ready. 

## White Lawson, Flamingo, Nelson Fisher, Crusader.

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

## The Three Grand New CHRYSANTHEMUMS MAJESTIC, ADELIA and MADONNA.

R. C....... $\$ 3.00$ per doz; $\$ 15.00$ per 100 2-in. pots.................... 20.00 per 100

## The Fine New Pink Rose <br> LA DETROIT.

Three Fine
SNAPDRAGONS,
Our Ciant Pink. a grand Whire and a fine Yellow. $\$ 6.00$ per 100 ; $\quad \$ 50.00$ per 1000 .
$21 / 2$-inch pots, $\$ 8.00$ per 100; $\$ 75.00$ per 1000.

The New Red General MacArthur.
$21 / 2$-inch pots, $\$ 8.00$ per $100 ; \$ 75.00$ per 1000 .

# WE WANT TO MOVE 

## SEVERAL. HUNDRED EXCEPTIONALLY LARGE <br> KENTIA BELMOREANA and FORSTERIANA at $\$ 7.00$ each

KENTIA BELMOREANA, 12 -in: pots, 54 to 60 inches high, 7 to 8 leaves. KENTIA FORSTERIANA, 12 -in. pots, 54 to 60 inches high, 6 to 7 leaves. This is fine pertect stock and is just what you need for your Easter Trade,
We also have several thousand exceptionally fine LATANIA BORBONICA, in 8 -inch pots, 7 to 9 leaves, 30 to 36 inches high, from top of pot. Perfect stock that we will close out at $\$ 1.25$ each.

WE ALSO HOPE TO BE FAVORED WITH YOUR ORDER FOR THE FOLLOWING STOCK WHICH WE CAN RECOMMEND AS AI QUALITY:

| Vsriety. | Size. | Height. | Leaves. | Each. | Doz | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| KENTIA BELMOREANA. | $31 / 2$ | 12-14 | 5-6 |  | \$2 00 | \$15.00 |
|  | 4 | 15-17 | 5-6 |  | 300 | 25.00 |
| " ${ }^{\text {a }}$ | 6 | $24-26$ | $6-7$ | 150 | 18,00 |  |
| " | 7 | 32-34 | 6 | 200 | 2400 |  |
| " | 7 | 34-36 |  | 250 | 30.0 J | .... |
| " ${ }^{\prime}$ | 9 | 44-48 | 7-8 | 6.00 |  |  |
| " | 31/2 | 14-16 | 3-4 |  | 200 | 15.00 |
| " | 4 | 16-18 | 4-5 |  | 300 | 2500 |
| KENTIA FORSTERIANA, simer | 8 | 32-36 |  | $\underset{\sim}{2.00}$ | ${ }_{21,00}^{2000}$ | .... |
| ". $\quad$ " | ${ }_{9}^{8}$ | $\begin{aligned} & 34-38 \\ & 46-48 \end{aligned}$ | 5-6 | $\begin{aligned} & 250 \\ & 6.00 \end{aligned}$ | 30.00 $\cdots$ |  |
| LATANIA BORBONICA. | 2 |  |  | .... | . 75 | 5.00 |
| ". ${ }^{\text {" }}$ | . ${ }^{3} 1$ /1/ | 11-13 | 4-5 | $\ldots$ | 1.00 2.00 | 7.00 |
| " ${ }^{\prime}$ | 4 | 13-15 | 4 -5 |  | 3.00 | $\cdots$ |
| " | 6 | 2?-26 | 7 | . 60 | 7.60 | $\ldots$ |
| " ${ }^{\text {" }}$ | 7 | 26-30 | 7 | 1.00 | 12.00 | $\ldots$ |
| PhoEnIX CANARIENSIS |  | 38-42 | $\begin{aligned} & 10-12 \\ & 12-15 \end{aligned}$ | $3.00$ | … | … |
| ficus elastica. |  | $10-12$ | - | ${ }^{.} 25$ | 3.00 | $\ldots$ |
| ". | 5 | 16.20 | ... | . 30 | 4.50 | .... |
| araucaria "xceisisa |  | ${ }_{\text {tiers }} 20$ | $2-3$ | . 50 | 6.00 6.00 |  |
| araucaria excelsa. | 5 | tiers | 3-5 | . 75 | 6.00 |  |
| " " ... | 6 | tiers | 3-5 | 1.25 | 1500 |  |
| COCOS ${ }^{\text {a }}$ WEDDE"IIANA | ${ }_{3}^{6}$ | tiers | 3 | 2.00 |  |  |
| COCOS WEDDELIIANA PANDANUS VEITCHII. |  | $\ldots$ | $\ldots$ | $\cdots$ | $\begin{aligned} & 2.50 \\ & 6.00 \end{aligned}$ | $\ldots$ |
| Pan ${ }^{\text {an }}$ | 5 |  |  | 1.00 | 12.00 |  |
| " ${ }^{\text {a }}$ | 6 | 18-20 | ... | 1.25 | 15.00 |  |



## GEORGE WITTBOLD COMPANY,

I657-1659 Buckingham Place, CHICAGO.

## BOSTON FERNS.

Fine young plants, $\$ 10.00$ per 1000.
ZAMIA INTEGRIFOLIA................ 812.00 per 1000 Send Money Order on Little Rlver, Fla.
SOAR BROS., Little River, Fla, Please mention the American fiur ist when zoriting.
GARDENIA PLANTS.
(GRANDIELORA CAPE JESSAMINE.)
Our leading specialty. Natural growing conditions here ideal; size telis ita own story. We do not think they can be equaled elsewhere. 1 . ycar, 18 to $24-\mathrm{in}$., $\$ 1.50$ per doz.; $\$ 10.00$ per 100 . bormant oow and until February 26th.
C. W. BENSON, Alvin, Tex.

HINODE FLORIST CO. ..JAPANESE NOVELTIES...
TINY PLANTS, in 2 and 3-in. decorated Japan-
ose pots, $\$ 15.00,82000 \mathrm{~g}$ nd $\$ 25.00$ per 100 . RHAPIS, 5 to 15 shoits, 50 cents esch.

EARGEST GROWIRS OF EASTER EIIIES.
WOODSIDE, N. Y. snd WHITESTONE. L. I., N.Y. Please mention the Amelican Florist when writing

## 100,000 Alternantheras.

STRONG ROOTED CUTTINGS.
Brillianlissima. tbe best deep red, 75c per 100; $\$ 6.00$ per 1000 . A. Nana. vellow, 50 c per 100: $\$ 400$ per 1000. P. Msjor, red, 500 per $100 ; 84.00$ per 1000 Speotal prices on 5000 or more

DAVIS BROS., Morrison, III,
C Once transplanted, resdy
Cyclamen $\begin{gathered}\left.\text { Mace transplanted, } \begin{array}{c}\text { Mare } \\ \text { only the ohod taken frow }\end{array}\right)\end{gathered}$ nothing better. $\$ 200$ per $100 ; 818.00$ per 1000 . C. WINTERICH, Defiance, 0 .

## Money by TELEGRAPH. <br> Order now, the TELEGRAPH GERANIUM. Will make money faster thas any plaot you

 may handle this season. A prize winner all over. Pronounced the finest on the market. Will sell off your bench at sight for $\$ 3.00$ per doz., and give tooe to your establishment.STRONG PLANTS, 2Y-INCH, SIS.OD PER 100. Forsale by the leading houses, and

## Thomas Devoy \& Son, Poughkeepsie, N. Y. <br> DAHLIA KAISERIN AUGUSTA VIOTORIA:

The Best White Dahlia In Exlstence. My own importation. I control the entire stock of it. Flowers double, of the purest white, 4 to 5 inches in dismeter. A wonderful blommer. stems, 12 to 18 inches long. Plants 3 to $31 / 2$ feet high. The fiaest plants from cuttings. Good strong stock from $2 / 3$-inch pots, Highly commended by the American Institutes and the New York Florista' Club. Address
A. L, MILLER, Jamaica Ave., Brooklyn, N. Y.

CHRYSANTHEMLMMS | Strong Rooted |
| :---: |
| Cialings |
| Pand |

EARLY. Yellow. - R. Hsllidsy, Monrovia. White,-Polly Rose, Mme. Bergman, Ivory, Wilowbrook, Geo. S. Kalb. Pink,-Giory of Pscifo, Pink Ivory Lady Barriet, Montemart.
MIDSEASON. Yeliow.-Maj. Bonnsffon, Co.Appleton, Ybilas Eston, Percy Plumridge. Pink.-Mlis. Liger, Mrs. Probin. Red.-Black Hawk, Mrs. Coombes
LATE. Yellow.-W. H. Lincoln, H, W. Riemsn. White.-Mrs. J. Jones, Yanoma. Pink.-Maud D88.
Rooted Cutilngs, 81.50 per 100; 81250 per 1000. Plants from $24-1 \mathrm{La}$. pots, $\$ 250$ per ICO: $\$ 00$ per 1000. Tbese are sill good standsid varieties. Only strong hesithy piants used for stock. Alicuttings sad plants guaranteed strictly up in quality. Terms: Cash or satisfactory refsrences.
Baur Floral Co., Erie, Pa.

## ASSORTED FERNS.

86.00 per 100 , ready for fern dishes.

## Hardy Ivies.

${ }^{2} 5.00$-inch pot

## Cannas.

Started plants out of sand. 4 to 10 jaches, ready for pots, 8300 per 100 . Varieties, Queen Charlotto Mms. Crozy, Alph ars Bouvier, Egandale and
Italis. Cash with order plesse.

## C. A. KNAPP,

Chestnut Hill, PHILADELPHIA, PA.
Please mention the American Flor ist when zuriling.

## SPRING NLMBER NEXI WEEK

Send Your Advertisement Now.

## The Allied Trades

Descriptive psrticulars-with drawings or photographs, if possible-of any new apparatus or device which may prove helpful
the trade are solicited for this department.

## Oil and Paint Trades.

New York, March 30.-Complaints of car shortage are heard and, owing to navigation on lakes and rivers not being opened as promptly as was anticipated, the movement of paints and colors into consumption has been restricted to some extent, says the Glassworker. The steady warm weather during the past few days has materially stimulated demand and the volume of orders booked for supplies for immediate delivery shows a marked improvement.

The market for linseed oil remains firm, notwithstanding the fluctuations in the price of seed. Demand has greatly improved and a rise in prices is not improbable.

Spirits of turpentine advanced in Savannab, in response to a bull movement on the part of large speculative interests.

## Greenhouse Heating.

Ed. American Florist:-
We have a hot water system that does not give the results desired. Enclosed please find a rough sketch of the same. Very little heat reaches the violet house and we are going to disconnect this from the propagating house pipe system and connect direct with the boiler with 2 -iuch pipe, the latter house beating satisfactorily. Is this right? House No. 1 heats sufficiently but carnation houses Nos. 2 and 3 are too low in temperature. I want to run them at $50^{\circ}$ in zero weather. The diagram will show size of span, pipes, etc. The outflow pipes are about 30 inches above the return pipe which enters the boiler at the top level of same, dropping to the lowest level. The circulation of the boiler seems to be good and heat can be raised very quickly. The boiler is a home-made coil in three sections. Would it be best to use the ontflow pipe for returns and install four 2 -inch outflows, raising them about seven feet above the boiler and connecting with the returas at the farther point? At present the outflows are gradually raised from the boiler to the far end of the houses. How large a boiler of the Kroeschell type will be required to beat this much glass so as to keep the violet bouse no lower than $45^{\circ}$, the propagation house $65^{\circ}$, honse No. $160^{\circ}$ and Nos. 2 and 3, $50^{\circ}$ in zero weather 8 Anxious.
It is very evidcut that much of the trouble is due to the fact that the plpe used, which is mostly $1 / 1 /$-inch is too small for houses that are 113 feet in length, especially as it is so arranged that the circulation is quite indirect. From the plan it would appear that houses ${ }^{\prime \prime}$ and ${ }^{\prime}$ a are 1Ex81 feet and at the rud of house No. 1, which is 24 by As small flows and largo returns are usel it will certainly be wral to make the change proposed and have them all run down hill. Although statful. it is jrobable that the amount of raliation in all of the houses is
approximately correct, although it will be well to substitute an equal area of 2 -inch pipe for all under $1 / 2$-inch, connecting the violet house as proposed. Select a boiler rated for a radiation one-third the glass.
L. R. T.

## Greenhouse Heating

Ed. American Florist:-
I have a boiler five feet high not counting the bood or base, with 24 -inch grate and one 8 -inch and twelve 2 -inch flues. The top opening for flow is $21 / 2$ inches and there are two 2-inch openings for returns. Will this boiler, using hot water, heat my greenhouses, diagrams herewith enclosed: They are built on the southeast side of a hill, the northwest corner being three feet in the ground. Please give amount of pipe and their location. The temperature outside goes as low as $16^{\circ}$ below zero at times.
C. H. T.

The diagram shows one house $16 \times 26$ feet, in which a temperature of $60^{\circ}$ to $65^{\circ}$ is desired; another house of the same dimensions is to be heated to $50^{\circ}$ to $55^{\circ}$, except an annex about $6 \times 12$ feet at the northeast corner, in which $45^{\circ}$ to $50^{\circ}$ will suffice. Nothing is said regarding the walls, but supposing that they are of wood and not more than four feet high, it can be said that the boiler will probably answer, provided the tubes are five feet long, as would be inferred from the description given. It would be better if the opening for the flow was three inches and each of the rcturns two and one-half inches, but by connecting the flows and returns from the houses close to the boiler it will make little difference. Divide the flow pipe into two $21 / 2$-inch flows and use one to feed a coil in each of the larger houses. In the south house start with 5 -inch pipes under the south bench and carry clear around the house, connecting them into a 2 -inch pipe just before reaching the boiler. In the other house a coil of four pipes will be required. These should be run in the same way as in the other house, except that they should be carried through the wall when the annex is reached, and pass through that house before leading to the boiler. If possible it will be well to ream out the plates so as to use a 3 -inch flow and two $21 / 2$-inch returns. This will materially aid the circulation, especially in very cold weather.
L. R. Taft.

## ROOTED CARNATION CUTTINGS.

| PINK | Per 100 Per 1000 |  |
| :---: | :---: | :---: |
| Enchantress. | . 83.00 | \$25.00 |
| Feir Maid. | . 2.50 | 20.00 |
| Alpine Glow | ... 2.50 | 20.00 |
| Lewson. | ... 2.00 | 15.00 |
| Nelson | . 2.00 | 15.00 |
| RED |  |  |
| Flamingo. | .. 6.00 |  |
| Estelle. | . . 2.50 | 20.00 |
| WHITE |  |  |
| Lady Bountifu!. | .. 500 |  |
| Vesper.... | ... 500 |  |
| Bride. | .... 500 |  |
| Msckinge | .... 5.00 |  |
| Moonlight. | .... 4.00 |  |
| Queen. | . 2.50 | 20.00 |
| Queen Louise | . 2.00 | 15.00 |
| Boston Market | ... 2.50 | 20.00 |
| MISCELLANEOUS |  | Per 100 |
| Judge Hinsdele. |  | . . 84.00 |
| Mrs. Petteo |  | ... 6.00 |
| Prosperity. |  | ... 2.50 |
| Harlowarden | . . . . | . 3.00 |
| We can furnlsh Cuttings of all the Standard Variotles. |  |  |

## The Leo Niessen Co.

1217 Arch St., PHILADELPHIA, PA.
Please mention the A merican Florist when writing.

## CARNATIONS Rootad WHITE LAWSON.

The king of white sorte. A strong grower and a free bloomer. We have filled in totso 07.00 per 100; 850.00 be filled in rotation. $\$ 7.00$ per 100; $\$ 60.00$

Lady Bountiful
Mrs. M. A. Patt
Daheim.
Enchantress.
Boston Market.
The Queen.
Mre. T. W. Lawson
Gen. Maceo..
Moroing Glory.
Mrs. G. M. Bradt.
Melba.
Queen Louise.
White Cloud.

wood bros, Fishkill, N. Y.

## 60,000 GRAFTED ROSES For Forcing FINEST GROWN.

Opders hooked for delivery in Aprll, May and Juoe
LIBERTY, rose pots. $\$ 12.00$ per 100. $33 / \mathrm{s}$-Inch pots, per 100. BRIDES. BRIDESMAIDS, GOLDEN GATES, KAISERINS, rose pots, per ioo

## 500,000 VERBENAS 60 Varieties.

The Largest and Finest Stock in the Country.
perfectiy healthy - No rust.
Prize Rooted Cuttioga ...60c per 100; 8500 per 1000
Planta, $2 Y_{\text {-ioch pota }}$
98.50 per 100; q20.00 per 1000

## J.L. DILLON, Bloomsburg, Pa.

## DOROTHY FAUST CHRYSANTHEMUM.

This is Offered to the Trade as a Sure MONEY MAKER. ~ *
How Long Have We Waited for a Really Flrst-Class Late Commercial White?
Mr. H. I. Faust his grown this variety in quantity, several houses each year, for several years, and bas, with difflculty been induced to part with it.

The E. C. Hill Co. had this variety on trial last year, and the following description was written by a member of the firm who is considered by many to be one of the ablest Chrysanlhemum experts in this country:
"DOROTHY FAUST.-Pure snow white, very large, incurved but not globular; petals broad and beautifully formed, somewhat loose in arrangement but of splendid texture; the stem and foliage are as fine as those of Eaton; an easy doer, can be planted very close; blooming at Thanksgiving and later makes this a valuable and delightful variety, as it is one of the most beautiful in finish and effect.'

Philadelphia, Pa.. February 13, 190.
MR. W. P. CRAIG. 1205 Filbert Street, Pbiladelphia. success, and the flowers arrived at destination in the best of shape. It is a goor keeper; has good stitf stem, and gom form, being pare white We feel it is a very valuable addition to the Chrysanthemum market as a commercial varjety, Yery traly yours.

SAMUELS. PENNOCK
The above letter from "The Wholesale Florist of Pliladelphia," wbo has handled this variety for several years needs ao further comment, nor do the following

Pittsburg, Pa., February 23, 1905.
MR. W. P. CRAIG. 1305 Filbert Street, Philadelphia, Pi,
ation, is nue of the best commeraisl


Philadelphia, Pa., February 15. 1905.
MR. WILLIAM P. CRAIG, 1305 Filbert Street
Dear sur:- We have handed considerable of the Dorothy Fanst Chrysanthemum, and believe it to be the lost late white. The color is so pare, and the straight tough plable stem dops not weakron. as is the case with so many late ones. Wr have kept hawers two weeks whath atin. looked presentable. We are glad that Mr. Faust consented to seud it out this season and believe it will berame the standard late white

DOROTHY FAUST is a GOOD GROWER, GOOD KEEPER and a GOOD SHIPPER
Every retail florist in Philadelphia will tell you it is the hest late white. The price is so low for such a sterling novelty that all Chrysanthemum Growers can invest with profit. 12 plants lor $\$ 4.00 ; 25$ planls for $\$ 6.00 ; 50$ plants for $\$ 10.00 ; 100$ planls for $\$ 15.00$. Special prices on large quantities. CUTTINGS READY, and all orders will be filled in strict rotation.

## PT

PLANTS, BULBS, SEEDS,
1305 Filbert Street,

# Palms and Asparagus Cheap. 

## atenia Bor 9-la. pot, Per 100

" " 8-io. pot, $15-18 \mathrm{in} ., 8$-8 chr. iva. 12.00 5-ln. pot, 18.20 in., $8-4$ chr. ivs. 15.00 5-in. pot, 20-24 in., 4 chr. lvs. 20.00
Kentia Bel., 84 -in. pot, 8 - 8 in., 2 leaves.. 10.00 " $\because 8$-in. pot, 8 -10 in., 8 - 4 leaves.. 12.00 Asparagus Sprengeri, 8-inch....................... . 88.00


SHERMAK NURSERY CO., OHARLES CITY, IA.

Please mention the American Florist when whiting.

JOSEPH HEACOCK,
WYNCOTE, PA. —CROWER OF-
Kentia Belmoreana ${ }^{n n}$ Kentia Forsteriana

## SCOTTII

The Most Graceful Nephrolepis Known
Retailers who have handled this fern are unani mous in proclaming it the best Fern ever introduced.
Consult any grower who bas bought Soottil and he will tell you that it is sa far ahesd of the Boston as that variety is abead of all other
Seemy adv. on second cover page in American Florist of F'eb. 25th.
JOMN SCOTT, Keas foomex fireentaves BROOKLYN, N. Y.
BRANCH: BRAN:
E. 45th St. and Rutland Road, Flatbush. Telephone, 1207 Whlliamsauro.
Please mention the A merican Florist when writing
ASK FOR OUR WHOLESALE PRICE LEST

## Bay Trees <br> with special discounts. Write now; it might be

 tomorrow.Julius Rophis Go, Exollo Nursorlos,

Scotiif Ferns.
Much more valuable tban the Boston Fern, because with the most ordioary culture it will grow into besutiful compact specimen plants.


2 -inch......................... 300
3 -inch............... 00
000
Piprson Ferns $\begin{gathered}21 / 夕-i n c h \\ \text { per } 100\end{gathered}$ per dozen, $\$ 4.00$
the CONARD \& JONES CO. WEST GROVE, PA.
Please mention the A me' tcan Florist ahenumiting.

## BOSTON FERNS.

Extra fine stook, out from bench now ready for , 8, 7 a nd 8-inch pots, st $825.00,850.00,875.00$ and


- H, FOSTER, 45 King St.

DORCHESHER, mAS


 mot aron holloms，despite the very mild ：and lamorala wather．Grownes all armm ary engrathbatige themselves It has lown an wasmally mild winter．
 the shate hast smmby．liantar stome is babsing farly wril，bal same growers will still have to pash then liles protty hated dexpite the lata dato lom batstor．
 thes fianotur for this yant on acomat oft ifs lalom homming．At，I＇al risk＇s
 romp fants wore in ovideme in someral plame but very fow wera sohd．
Gumblitise of peonies at Swanson＂ Sivlh atred whom have rrated guite stir aml they mentu fo sull readily．



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llamin．t，（1）．In malk grome of eight．

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Carnations．Roses and＇Mums．
Wo Noed boom．SPECIAL OFFER．

| F＇uch |  |  |
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POEHLMANN BROS．CO，Morlon Grove，III．

## Rooted Cuttings




 AOEたA IUMS． COLEUS H1 vir Rus．


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PHILADELPHIA，PA．

## Vinca Variegata．


PARIS DAISY，tinut 3 －luch， 20
DOUBLE DAISIES，Ninowbill，iongfollow，ge fo per fow，ill bidithd hlown
ABUTILONS， 2 varietion，26－inoh，2360．

GERMAN IRIS，divideit roots，wi．00 per 100.
VINCA VARIEGATA，I．fn．Do．
COLEUS， 15 lituls．$\dot{z} \cdot \mathrm{l}$ ！． $\boldsymbol{w}_{0}$
HOLLYHOCK，dombln， 5 kimds，small 1 yunt old， ＊1．00 pir 140


COREOPSIS Linnolfolla，thild，
AGERATUM，LiHrnus，I＇tullus，DOUBLE PETU．
NIAS，ALTERNANTHERAS，red And yollow 2－finh，＊：00 mer 100.
Rooleml Guttings，pur 100，prophld：Hallofropo

 \＄h．06 prir lowo，Fuohala， 5 bend varitites， 900 ． Hardy Pinke． 7 varlebies，some verblooning This；＊is（h）pur lioo Dbl Potunlam， 10 lineat． 81.00 Alfornanthore．ren init vana Paris Daley，iorrath thad hringhta， 730 ．Cian Paria Dalsy，$H$ Colous，Moe，Wher VInoe Varlegata，904．Foverlaw，Gum，＊1．00

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KENTIAS，As them a lot of algage and made－up plants ms nurr
 ORACAENA INDIVISA， $3, \pm, 6$ lueth，w．00， 10.00 hd wess．tw pur 100．
 A．00 bur 100.
ASPARAGUS SPRENGERI， 2 nnd $8-1 \mathrm{a}_{\mathrm{n}} .8 .00$ nnd
GERANIUMS．，lemb Vinud，s．A．Nutt，Cnstel－ Inne，dohn boyle＇Prorkins shaglo and bouble
 GLAOLOLUS BULBS，good mixture，7ha per 100 COMD． r lovit．
SCABLEI SAGE LOBELIA VERBEVA VINCA VAR．HEIIOIROPE．Douhtu and sing Le PETUNIA．


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## IN EASTER LILIES， HYDRANGEAS，GENISTAS， SPIRAEA GLADSTONE， RHODODENDRONS．

Palms，Ferns and
Decorative Stock．
R．DREYER，Woodside．
AYersa mentron the Amertan Filu iat when weritimg．


Dallias
Mrs，Winters
The trantl（u）new while is still yuema of the word，strong of the word，stronk
inbers，$\$ 1000$ per tinber
tion．
Ingoberg tagoland the lending samatas
 thatlyouks Lrua to color 83.00 pur wo．Gladtoll． foonios and lisady l＇hants．Semd for vatalogue．
W．W．WILmorf．Dahtia Specialist， Boz 382，DENVER，COL．

## 20,000 Blooming Plants for Easter

20,000 Pots of LILIUM LONGIFLORUM，at 12 c per bloom．
4，000 CRIMSON RAMBLERS，trained in unique and artistic designs．$\$ 1$ to $\$ 25$ each． 10,000 AZALEAS， 75 c to $\$ 25.00$ each． 3，000 HYDRANGEAS， 75 c to $\$ 5.00$ each． 3，000 SPIRAEAS，$\$ 4, \$ 5$ and $\$ 6$ per dozen． 3，000 ROSE PLANTS，$\$ 6, \$ 9$ and $\$ 12$ per doz． RHOOOOENDRONS，$\$ 1$ to $\$ 25$ each．
GENISTAS，$\$ 6, \$ 9$ and $\$ 12$ per dozen．
METROSIDEROS（Bottle Brush），\＄1，\＄1．50， $\$ 2$ each．
A large assortment of HYACINTHS in pans at $\$ 9$ and $\$ 12$ per doz．
WISTARIAS，and other blooming Easter plants．
－Cash or reference．－

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## Bedding Plants． <br> －Per 100 Per 1000 <br> Alternanthera，August rooled．．．． 500 ． Alyssum，Qinnt，double swert．．．．2．00 ．Tb Agoragus plomosus nuuus，from <br> dlats．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． Carnation．Mis． <br> and plok，for summer bloom－ <br> log，stronk， 8 lnch．．．．．．．．．．． <br> Cobra，Lransplanited，from ilats． <br> $500 \quad 2.50$ <br> Coleus，io varletios．．．．．．．．．．．．．．．． 1.00 <br> Feverlew，Litule Gem，true．．．．．．．．$\quad 2.00$ <br> Fuchsia． 6 named varieliks． <br> Geranium，my seloction． 2.50 <br> Heliolrope，in varieties．．．．．．．．． Margueriles，whith and yellow <br> Margueriles，Whit <br> $9.50 \quad 1.00$ 050

Pelunias．double
Pansies， 300,000 splasudid plants， rend．50， 100 and 103.01 yar 1000 nconrding to size of plants； sample fros．
Salvia．in varietios
Verbsnas，in whilte，pink，scariet，
2.00 1．60
bluesnd mixed transpiated， llıtн．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 500
Vinces． 3 －inch， 800 per 100.
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Vegelable Planls，price list mailed free．
coasth whth order by mall udd l0c per 100 on rooted cuttings and scedliags． LUDVIC MOSBAEK，Onarga，III．

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hardy peafnnials must SOON BE PIANIED．

We buve a largo stock of the luest Varletios rendy to shlp．Sond a liat of your wants tor quolistions．
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CARMINE the best seller 1000 seeds Tr．Pkt． COMPACTA，a fine potter．．．．．．．． 1.50 ． 50 BUTTERCUP，Primrose Grandfi． 1.00 BABY PRIMROSE．
PEPPERMINT，true． .75
COWSLIP，large－flowered hy－ brids，per oz．．．．．．．．$\$ 2.50$ HARDY GARDEN CARNATION， the finest mixture in exis－ tence，per oz．．．．．．．．．．．．．．$\$ 2.50$ CANDYTUFT，Giant Empress，lb．，$\$ 2.50$ oz．，． 25

[^12]

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Our well－known strain in flve trus colors（sendlimgs），twles trans－ fringed variety，welf－grown plants．


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HACKENSACK，N．J．

## CYCLAMEN

SPLENDENS GIGANTEUY HYBRIDS．My wall－ kunwo struin in tive lene colors（seedllags），twica cansplantid from han per 1000 ．Satisfictios guarantued．
PAUL MADER，East Stroudsburg，Pa． Please mention the American Florist when swriting．
Choice Rooted Cuttings
Double Fringed Petunias weare bindquarters for tambr．Six distinet noveltios， Intioled，$\$ 1.25$ pur 100； 60.00 per 1000.
Salvia，Two Best，Lord fanntlorny（dwarf）， The W，T Buckley Co sprimefitio．

ROOTED CUTTINGS OF EARLY
OHRYSANTHEMUMS．
Opath，Mine．Hurgment，Willowbrook und（otober snoshine．
Rooted Cuttiogs of VIOLETS of a！l kinds． ELI CROSS，Grand Rapids，Mich．

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Tho bust hindy plink，Largo，strong llowerng roots， $9 \% 00$ per doz
W．I．BODFISH，woo mempatabe PANSIES．

Lixtra fing stock，In hud und bloom． 84.25 pur 100 ； 12.00 per 1000 ．

The Park Floral Co． GRAND RAPIDS，MICH．

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Vargehafeltil，Nira Krmad，Golden Quann，lame with＇s（iosn，Lord Puhnarston，Gumea Viotoria

（Anldest Reddar（orighand）und hero 7hes per toos ＊ 10.00 per 1000 ．A disconat of 10 par ceat allowenf on 10.100 or more Coletss．More litural discount on largis orders．
ACERATUM，Primeas J＇ullug bod Stolia Gurney．
Salvia，Splondens and Jomb Revenal，reolod outtitath， 760 jes $100 ; 88.00$ per 1000.
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100，000 Now in Bloom． Extra large field－grown plants．They are the Kind that Sell．Per $100, \$ 2.00$ ； per 1000， 20.00
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Jine lacgetrangplanted planta，prize atraln of the fumnus large llowering luknots，Coss－ froio cold frame，500 per 100；3．00 per 1000 rixarn large plants ooming in bud，wo pers 100.

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Slocks，dhl．whith for Enstor， 1 por 100 数 pme 1000. Daistes．diti．Whites． 75 es per 100；新 0u pas 100. Feverlew．dhl．white， 1.00 pir $100:$ 䊀 00 jer 1000.

Lobolia iswar！blus，at 100 prir 100
Ageratum，Itwire blus，b0e jer tho
Roes Clothilds Soupert，in hud or bloom，1－Inoh，

 HIL TOP GREENHOUSES，IS Gray Avo UHC M Y iltug

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Fine cold－frame phants in bud und bloom．
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FULL SIZE AND WIDE BOTTOMS BULB PANS AND AZALEA POTS

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 If your green houses are within 500 milee of the Capitol, write ue, we can aave you money......
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Price list and samples on application.
Paducah Pottery,
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Now insores upwards of $21,000,000$ square feet of Glass. For particulare address
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Write for Price List. 2/3-15-17-19-21-23 Pearl St., NORRISTOWN, PA.


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## Kramer'sPothanger

 convenient and only practical device for converting ordinary flower pots into hanging beskets. They fit ell atanderd made pots from 2 to 10 inches in diameter. they are ettached bows how thiog for hanging op ferns begonias, etc. You can make room and money by their use. Try them.
FOR SALE BY WHOLESALE SEEDSMEN, FLORISTS AND SUPPLY OEALERS.
Prioe with wife chain a shown in out, 81.00 per dozen by express. Sample dozen hy mall, 81.25.
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Flease mention the A merican Florist when writing:
STANDARD FLOWER POTS!

Psoked in amsill orates, easy to handle. | Price per crate |  |
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$8008 \%$ \& 4 \& 6.80 \& 2411 \& 4 \& 4.60 <br>
5004 \& 4 \& 4.60 \& 2412 \& $"$ \& 4.80 <br>
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820 \& 5 \& 4.51 \& 12 \& 4 \& 4.80 <br>
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HILFINGER BROS. POTTERY, Fort Edward, N. Y Or Augurt Rolesr \& Sona Now York Agents, 31 Berclay Btreet. New York City,
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Before buyling write for pricen
3st-363 Herndon Street,
near Wrightwood Ave.
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## Minneapolis.

There was a slight increase in business the past week and dealers report an activity in sales. The supply of cut stock remains unchanged, with sufticient to meet all demauds. The market on greens is exceptionally good, with a short supply.
The New York Central railroad opened an office for their freight departnient here, and several thousand of roses and carnations were presented, they being furnished by William Donaldson \& Company.

William Topel, who has had charge of a section of Donaldson's rose houses for the past five years, has resigned, to accept the managenent of W. D. Dunwoody's private plant at Lake Minnetonka.
Carl Johnson, manager of the floral department of Powers Mercantile Company, reports trade back to the usual pace.
R. S. Wessing has given up his Nicollet avenue store, and his plans for the future have not yet been decided.
O. S. Swanson had a choice display of tulips last week.
C. F. R.

## Lake Geneva, Wis.

The Lake Geneva Gardeners' and Foremen's Association was organized March 4, the following officers being elected: President, A. J. Smith, gardener to J. J. Mitchell; vice-president, Axel Johnson, gardener to R. T. Crane; secretary, John Tiplady, gardener to H. H. Porter; treasurer, Frank Kuehne, gardener to O. W. Potter.

Forty names of gardeners and foremen were enrolled for membership the first and second meetings, with prospects of many more. The meetings will be held the first and third Saturdays in each month, at $8 \mathrm{p} . \mathrm{m}$. , in the rooms of the Lake Geneva News.
T.

## FOUND!

A place where new and old material for the complete erection or repairing of

## GREENHOUSES

can be procured in

## Exchange forCash

Economical florists get our prices on Glass, Boilers, Ventilating Apparatus, Fittings, Pipe White Lead, Paint, Putty, Hot Bed Sash, Etc. OLD GREENHOUSES BOUGHT.

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 GOOD BRANDS. QUICK SHIPMENTS. LARGE STOOK.Warehouse on railroad switch. Be sure and get our prices.

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 GREENHOUSE MATERIALHOT-BED SASH, BOILERS, PIPES, FITTINGS, VENTILATING APPARATUS.
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We furnish everything for building. Send for prices and catalogues.
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Window Glass, Paints and Putty.
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## FOR SALE CHEAP.

In quantities not less than 300 Boxes. Less quantity slightly higher prices.
500 Boxes $16 \times 18$ Double Thick, B........ $\$ 2.60$
400 " $16 \times 20$ " A........ 3.00
500 " $16 \times 20$ " B........ 2.80

500 " $16 \times 24$ " A........ 3.00
The above prices are net cash, f. o. b. Chicago, March or April shipment. Subject to prior sale. Special prices on other sizes, shipment east or west.
JAMES H, RIGE CO, 80.82 Wabash Ave.
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French and American "WHITE ROSE" Brand.



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The Best Quality and Work Guaranteed.
CYPRESS SASH BARS
Absolutely clear, sun dried; cut to exact size 8.
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PECKY CYPRESS BENCHES
Economical and lastiag. Coming into geoeral use. Get our Estimates, Plans and Suggestions on Struc
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## Wired Toothpicks <br> 10,000, 81.60; 60,000, 86.25. Manufactured by

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Galvanized Wire Rose Stakes, Tying Wires, Single \& Double Pot Hangers.

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Three Complete Greenhouses.
Complete with all appurtenances, in. cluding the Flowers, Plants and Shrubs. Each house is $22 \times 300$ feet. Thev have Patent Ventilators, extra thick sash and regular style hothouse sash, size $3 \times 6$ teet. We will sell these Greenhouses either complete or in parts. They include complete heating systems. Orer 50,000 Plants are in these Honses. A complete list of them with our extremely low prices mailed on application.

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5,000 Standard Hot.bed Sash, 3x6 feet, heary rail, in fine condition.

PIPE.
$10,000,000$ feet of pipe for every purpose.
Standard black wrought iron, sizes 9/s to 12 -inch.

Extra heavy black wrought iron, slzes 2 to 36-inch.

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10,000 feet second-hand Boiler Tubes, in good condltion, square ends, 3, 31/2 and 4-inch. Will make low prices on carload order.

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$1,000,000$ feet of $1 / 4$ and $3 / 8$ inch thick roofing glass, good as new.
$1,000,000$ feet of heavy wire netting used under this glass, No. 14 gauge.

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25 Rollers, two sections, each $10 \times 20$ Inches, counterbalanced handles.

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 COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEARPlants, Cuttings, Nursery Stock.

Abutilons- 4 varieties, $21 / 2$ in., 3 c .
Byer Bros., Chambersburg, Ageratums-Ageratum, rooted cuts Byer Bros., Chambersbure, Pa rg, Pa.
Ageratums-Ageratum Princess Paulne and Stella Gurney.

Frank A. Pierson, Cromwell, Conn
Ageratums-4 varieties, 60c per 100; 5 per 1,000
S. D. Brant, Clay Center, Kan.

Ageratum-Rooted cuttings, $2 / 4 / \mathrm{in}$. 0 c per 100 ; $\$ 1.75$ per 1,000 .

Ludvig Mosbaek, Onarga, Ill.
Alternantheras- 100,000 Alternantheras, strong rooted. Brillantissima 75 c per 100 , $\$ 6$ per 1,000 Ma. Nana, 50 c per $\$ 4$ per 1,000. Special prices on 5,000 or more. Davis Bros., Morrison, Ill.
Alternantheras - Alternanthera, red Al yellow s2 per 100
Jos. H. Cunningham, Delaware, O
Alternantheras-August rooted, $21 / 4$ n., $\$ 5$ per $1,000,60 \mathrm{c}$ per 100 .

Ludvig Mosbaek, Onarga, Iil.
Alyasum-Giant Alyssum, $\$ 1$ per 100; 8 рет 1,000 .
S. D. Brant, Clay Center, Kan.

Asparagus-A. plumosus, $21 / 4$ in. pots, 2 per 100; A. Sprengeri, $22_{4}-\mathrm{in}$. pots,

Jos. H. Cunnlngham, Delaware, $O$.
Asparagus-Plumosus nanus, strong plants ready for $4-1 \mathrm{ln}$. pots, or for planting out; $21 / 4-\ln$. pots, $\$ 2.25$ per $100, \$ 20$ per 1,000; $3-\mathrm{in}$. pots, $\$ 4.50$ per 100 ; $100, \$ 5$ per 1,$000 ; 3-\mathrm{in}$. pots, $\$ 4$ per 100 .

Good \& Reese, Springfleld. 0.
Asparagus-Plumosus nanus, from flats, $\$ 1$ per 100.

Apparagus- 50,000 Sprengeri, 50,000 plumosus and robustus, ready June 1. Send for prices.

Albert M. Herr, Lancaster, Pa.
Asparagus-A. plumosus and Sprengeri,, 3 -in., only $\$ 4$ per 100

John Brod, NHes Center, Ill.
Asparague-Asparagus plumosus nanus, 2 -in., $\$ 2.50$ per $100 ; 3-1 \mathrm{n}$., $\$ 5$ per , A, Sprengeri, $2-\mathrm{n}$., $\$ 2$ per 10
herman Nrsery Co., Charles City, Ia Asparagus-Asparagus plumosus 2 and 3 -in., $\$ 4$ to $\$ 8$ per 100 ; Sprengeri, 2 and 3 in ., $\$ 3$ to $\$ 5$ per 100

Geo. M. Emmans, Newton, N. J.
Asparagne-Asparagus plumosus na45 King St., Dorchester, Mas
Aspldistra-Green, 4 c per leaf; Varlegata $121 / 2 \mathrm{c}$ per leaf Auction April 12 Halsted St., Chicago.

Asters-Asters hardy $\ln$ variety, $3-\ln$. pots, $\$ 1$ per doz.; $\$ 8$ per 100

Henry A. Dreer, Philadelphia.
Azalea-Azaleas, all gizes and prices $75 \mathrm{c}, \$ 1.00, \$ 1.25 ; 1,500$ Madame Van der Cruyssen. 1012 Ontario St., Philadelphia.

Azaleas- 10.000 azaleas. 75 c to $\$ 25$ each. for Easter.
$\mathrm{H}_{\mathrm{H}}$ C. Stelnhoff, W. Hoboken, N. J.
Azalea-Azalea mollis, mixed, 20 buds, 40 c each, $\$ 4$ per doz., $\$ 30$ per 100 . Vaughan's Seed Store, Chlcago and New York.

Campanula-Campanuia Magif, finest pot plant known, blooms with hundreds of blue bells from May. Gnid medal at Dusseldorf, $\$ 3$ per doz. Auction April 12 Halsted St., Chicago

Canna-Gold medal canna West Virginia: started plants $\$ 5$ per 100, Limited stock. Gus Ohermeyer, Parkersburg, W stock
Va.

Cannas-Started plants out of sand, 4 to 10 -in., ready for pots, $\$ 3$ per 100 phonse Bouvier, Egandale, and Italla Cash wlth order. C. A. Knapp. Chestnut Hill, Philadelphia.
Canna-King Humbert, $3-\mathrm{in}$. pot plants, 35 c each; $\$ 3.50$ per doz; $\$ 25$ per 100. Vaughan's Seed Store,
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Canna-New canna, Mrs. Wm. F. Kast ing. Gold medal winner, St. Louis height $31 / 2$ feet; immediate delivery; 50 c ited. Wm. F. Kasting, 383-85 Ellicott St., Buffalo, N. Y.
Carnation-Rooted cuttings.
Wm. Swayne, Kennett Square, Philadelphia.
Carnations-Rooted cūttings from soil. Ludvlg Mosbaek, Onarga, Ill.
Carnation-Rooted carnation cuttings White Lawson, $\$ 6$ per $100, \$ 50$ per 1,000 Flamingo, $\$ 5$ per 100 , $\$ 50$ per 1,000 Enchantress, $\$ 3$ per 100 ; $\$ 25$ per 1,000; The Queen, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Cardinal from $2-\mathrm{ln}$. pots, $\$ 12$ per 100
archmont Nurseries, Larchmont

## N. Y.

Carnation-Crisis (new), $\$ 12$ per 100 Mrs. Patten, $\$ 6$ per 100; Judge Hins dale, \$4 per 100; Lady Bountlful, \$5 pe 100; Buttercup, \$3 per 100; Flamingo $\$ 6$ per $100 ;$ Dorothy Whitney, $\$ 3$ per 100 Golden Beauty, $\$ 3$ per 100 ; Prosperity $\$ 2$ per 100 ; Mrs. J. H Manley, $\$ 2.50$ per Wm. Scott, $\$ 1.25$ per 100 , $\$ 10$ pe ,000; Floriana, $\$ 1.25$ per 100 , $\$ 10$ per 1,000; Lorna, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 Eldorado, $\$ 1.25$ per $100, \$ 10$ per 1,000 Mrs. Joost, $\$ 1.2$ b per $100, \$ 10$ per 1,000 Enchantress, $\$ 3$ per 100, $\$ 25$ per 1,000 White Cloud $\$ 1.000$, Flora Hill, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 : Mrs. Lawson. $\$ 2$ per 100, $\$ 15$ per ,000: Mrs. Lawson, \$2 per 100 , $\$ 20$ per 1,000 : Harry Fenn, $\$ 2$ per $100, \$ 15$ per 1,000; Gov. Roosevelt, \$1.50 per 100, \$12 per 1,000; Mrs. P. Paimer, $\$ 1.25$ per 100 , $\$ 10$ per 1,$000 ;$ The Queen, $\$ 2.50$ per 100 $\$ 20$ per 1,000 ; Mrs. E. A. Nelson, $\$ 1.50$ per 100 , $\$ 12$ per 1,000 ; Portla, $\$ 1.25$ per 100 , $\$ 10$ per 1,$000 ;$ Queen Loulse, $\$ 1.25$ per 100 , $\$ 10$ per 1,00
J. L. Dillon, Bioomsburg, Pa

Carnation-Carnation Bride, $\$ 6$ per 00, $\$ 50$ per 1,000; Phyllis, $\$ 12$ per 100 100 per 1,000

John N. May, Summit, N. J.
Carnation-Carnation Fred Burki. Ali orders booked now are for April denvery. The Cardinal, best scarlet, rooted cuttings now ready, $\$ 12$ per 100 ; $\$ 100$ per 1,000 10,000 now
Carnation-The Cardinal; best scarlet n market today; rooted cuttings now ready; $\$ 12$ per $100 ; \$ 100$ per 1,000 .
E. G. Hili, Rlchmond. Ind.

Carnation-The Cardinal; best scarlet $\mathrm{m}_{\mathrm{s}}$ market; rooted cuttings

Chicago Carnation Co., Jollet, Ill.
Carnation-Rooted cuttings. Chicago, 10 per 100, $\$ 120$ per 1,000 ; Boston Market, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Belle, $\$ 5$ per 100. $\$ 45$ per 1,000; Flora Hill, $\$ 1$ per 100 , $\$ 9$ per 1,000 ; Queen Loulse, $\$ 1$ per 100, $\$ 9$ per 1,000; Peru, $\$ 1$ per 100 , $\$ 9$ per 1,000 ; Richmond Gem, $\$ 10$ per $100, \$ 75$ per 1,000 ; Crusader, $\$ 5$ per 100 , $\begin{array}{ll}\$ 45 & \text { per 1,000; Adonis, } \$ 2.50 \text { per } 100, \$ 20 \\ \text { per } 1,000 ; \text { Estelle, } \$ 2.50 \text { per } 100, \$ 20\end{array}$ per 1,000; Estelle, $\$ 2.50$ per 100, $\$ 20$
per 1,000; Indlanapolis, $\$ 5$ per $100, \$ 45$ per 1,000; Indlanapolis, $\$ 5$ per $100, \$ 45$
per 1,$000 ;$
Phylins, $\$ 10$
per 100,
$\$ 120$ per 1,000; Morning, Glory, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000 ; Mrs. Joost. $\$ 1$ per 100 , $\$ 9$ per 1,000 ; Mrs. Higinbotham, $\$ 1$ per 100 , $\$ 9$ per 1,000; Guardian Angel, $\$ 1$ per 100, $\$ 9$ per 1,000; Nelson, $\$ 1.50$ per 100 , $\$ 11.50$ per 1,000; Lawson, $\$ 1.50$ per Peter. Per 51
Peter Reinberg, 51 Wabash Ave., Chl-

Carnation-Unrooted carnation cuttings; Queen Louise, Portia, Crocker, Goodenough, 50 c per 100; Lawson, $\$ 1$ per ladiolus, bulbs, 75 c per $100, \$ 6$ per 1,000 . Cash with order.

George M. Emmans, Newton, N. J
Carnation-Red Sport, holly berry red, $21 / 2$ to 3 -in. flower. Immediate delivery; price, $\$ 1.50$ per doz. $\$ 2.50$ for $25, \$ 4$ for 0; all postpaid; $\$ 6$ per 100, $\$ 50$ per 1,000. Queen Louise, $\$ 1.25$ per 100 postpaid, B Davis
A. B. Davis \& Son, Purcellville, Va.

Carnation-Strone rooted cuttings. N. Fisher, $\$ 5$ per $100 ;$ Indianapolis, $\$ 4$ per 100 ; B. Market. $\$ 1.75$ per 100 , $\$ 15$ per 1,000 ; Wolcott, $\$ 2$ per $100, \$ 18$ per 1,000 ; Lawson, $\$ 1.25$ per 100 , $\$ 12$ per 1,000 ; Glacier, $\$ 1.25$ per $100, \$ 12$ per 1,000 ; Prosperity, $\$ 1.50$ per 100, , $\$ 14$ per 1,000 .
The $W$. T. Buckley Co., Springfleld, Iil.
Carnation-Carnation cuttings: Nelson Fisher, $\$ 6$ per 100, $\$ 50$ per 1,000: Mirs. M. A. Patten, $\$ 5$ per $100, \$ 50$ per 1,000; Flamingo, $\$ 6$ per 100 , $\$ 50$ per 1,000 ; Crusader, $\$ 5$ per $100, \$ 40$ per 1,000 ; D. Whltney, $\$ 5$ per $100, \$ 40$ per 1,000 Encbantress, $\$ 3$ per $100, \$ 25$ per 1,000 ; Harry Fenn, $\$ 2.50$ per $100, \$ 20$ per 1,000; Manley, $\$ 3$ per 100 , $\$ 25$ per 1,000 , Fair Mald, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Queen, $\$ 2.50$ per $100, \$ 20$ per 1,000 . Well rooted from selected stock Same varieties from pots 50 c more per 100 .

Backer \& Co., Billerlca, Mass.
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Carnations-Queen Loulse, from soil, H. Fenn and Nelson from sand, $\$ 10$ per 1,00 , Q. 1,000 , 1 , ter, Pa.

Carnation-Rooted carnation cuttlngs. Enchantress, $\$ 3$ per $100, \$ 25$ per 1,000 Fair Maid, $\$ 2.50$ per $100, \$ 20$ per $\$ 1,000$ Alpine Glow, $\$ 2.50$ per $100 . \$ 20$ per 1,000 Lawson, $\$ 2$ per 100 , $\$ 15$ per 1,000; Nelson, $\$ 2$ per $100, \$ 15$ per 1,000 ; Queen, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Queen Louise, $\$ 2$ per $100, \$ 15$ per 1,000 ; Boston Market, $\$ 2.50$ per $100, \$ 20$ per 1,000 Marion, $\$ 2$ per 100 , $\$ 15$ per 1,000 ; Flamingo, $\$ 6$ per 100; Crusader, $\$ 6$ per 100 Crane, $\$ 2$ per 100, $\$ 15$ per 1,000; Mrs. Pat. Har par 100: Harlowarden, $\$ 3$ per 100 . All other Arch St., Philadelphia
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 $\begin{array}{ll}\text { per 1,000; Ifarlowarden, } \$ 2 \text { per 100, } \$ 15 \\ \text { per 1,000; } & \text { Enchantress, } \$ 3 \text { per } 100, \$ 25\end{array}$ per 1,000: Enchantress, $\$ 3$ per $100, \$ 25$ per 1,000 Mrs, Fleld. $\$ 3$ per 100, $\$ 26$ per 1,000; Prosperity, $\$ 2$ per 100 . $\$ 10$ pe 1.000. Chicago Carnation Co., Jollet, IIl

Carnation-Wolcott, White Cloud, Nor way, Lawson, Morning Glory, Mrs. Joos at $\$ 12.50$ per 1,000. Enchantress and Estelle, $\$ 25$ per 1,000; FIamingo, $\$ 50$ and Crusader, $\$ 40$ per 1,000; America and Prosperity, $\$ 12.50$ per 1,000 ; Gaiety $\$ 15$ per 1,000 , All plants shipped from greenhouses, Hinsdale, 111
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If you do not find what you need in our Ready Reference Department, write us about it.

Carnation-Strong rooted cuttings White Lawson, $\$ 7$ per $100, \$ 60$ per 1,000 . Also other novelties. Fiancee, Cardinal, Patten, Daheim, Enchantress. Flamingo, T. W. Lawson, etc. F. R. Pierson Co.,

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ayette, Ind Carnation-My Maryland, dellvery January, $1906, \$ 2.50$ per doz., $\$ 12$ per
$100, \$ 100$ per 1,000 . Write us for other varieties
H. Weber \& Sons, Oakland, Md.

Carnation-Rooted cuttings now ready. Af tried newmer sorts. First-class some Poehlmann Bros. Co., Morton Grove, Ill.

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Carnation-Carnation cuttings; wel rooted, taken from selected stock, clean and healthy. Lawson, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000; Guardian Angel, $\$ 1$ per 100, \$9 per 1.000; Enchantress, \$3 per 100, $\$ 25 \mathrm{per}$ 1,000; Morning Glory, $\$ 1.50$ per $100, \$ 12.60$ per 1,$000 ;$ Mrs. Higin botham, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 Estelle, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000 Chicago, $\$ 2$ per $100, \$ 15$ per 1,000 Adonis, $\$ 2.50$ per $100, \$ 20$ per 1,000 Whora Hill, $\$ 1$ per $100, \$ 9$ per 1,000 White Cloud, $\$ 1.25$ per $100, \$ 10$ per 1,000 ; Her Majesty, $\$ 1.50$ per $100, \$ 12,50$ per
1,$000 ;$ Harlowarden, $\$ 1.50$ per $100, \$ 12.50$ 1,000; Harlowarden, $\$ 1.50$ per $100, \$ 12.50$ 51 Wabash Ave., Chicago
Carnation-Rooted carnation cuttings. White Lawson, 5,000 ready to be shipped, $\$ 7$ per 100, $\$ 60$ per 1,000; Lady BountiPatten per 100 , $\$ 60$ per 1,000; Mrs. M. A. Fisher, $\$ 7$ per 100, $\$ 50$ per 1,000; Nelson $\$ 6$ pei 100 . $\$ 500$, $\$ 60$ per 1,00 , Dantress $\$ 3.50$ per 100 , $\$ 0$ per 1,000 . Boston Mar ket, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; The Queen, $\$ 2.50$ per 100 , $\$ 20$ per ${ }_{1,000 \text {; }}$ White cloud, $\$ 1.50$ per $100, \$ 12$ per 1,000; Mrs. T. W. Lawson, $\$ 2$ per 100 , $\$ 18$ per 1,$000 ; 1$ Non. Maceo, $\$ 2$ per 100 , $\$ 15$ per 1,000 ; Morning Glory, $\$ 2$ per 100 $\$ 15$ per 1,000 . Mrs. G. M. Bradt, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Melba, $\$ 1.50$ per 100 . $\$ 12$ per 1,000; Queen Louise, $\$ 1.50$ pe 100, \$12 per 1,000. Grafted roses. Write for prices.

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The Storrs \& Harrison Co., Painesille, $o$.
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John Hartje. Indlanap \& Plant Co., and John Hartje, Indlanapolis, Ind.

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Lilium Harrisii-Lilium Harrisii bulbs or coming season. J. M. Thorburn \& Co., 36 Cortlandt St., N. Y
Lilium Longifiorum-20,000 pots; 12C per bloom, for Easter.
H. C. Stelnhoff. W. Hoboken. N. J.

Lobelia-Lobelia, dwarf blue, \$1 per ${ }^{10 \mathrm{H}} \mathrm{H}$

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Marguerites-Two varletles, rooted cuttings, $\$ 1.50$ per 100 .

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Orchid-Orchld Cypripedium insigne, A1, $5-\mathrm{in}$. plants. $\$ 1$ cash.
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Phormium Phem at ach Albert Furhs. 2059 ぐ. Halsted st. Chicaen.
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1012 Ontario St., Philadelphia.
Roses-Roses, rooted cuttings: Chatenay, $\$ 2.50$ per $100, \$ 20$ per 1,000; Uncla maid, $\$ 1.50$ per 100 per 1,000 ; Bridesmaid, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 ; Bride, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 ; Ivory, $\$ 1.50$ per 100, $\$ 12.50$ per 1,000 ; Perle, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 ; Roses, $21 / 2-1 n$ pot plants: Richmond, $\$ 30$
per $100, \$ 250$ per 1,$000 ;$ Rosalind Orr per 100, $\$ 250$ per 1,000; Rosalind Orr Chglish, $\$ 25$ per $100, \$ 200$ per 1,000 ; Chatenay, $\$ 4$ per 100, $\$ 30$ per 1,000; Sunrise, $\$ 4$ per $100, \$ 30$ per 1,000 ; Perle von Godesberg, $\$ 5$ per $100, \$ 40$ per 1,$000 ;$ Liberty, $\$ 5$ per $100, \$ 45$ per 1,000 in La John, $\$ 4$ per 100 , $\$ 35$ per 1,000 ; Kaiserin, $\$ 4$ per 100 , $\$ 30$ per 1,000 ; Bridesmaid, 3 per 100, $\$ 25$ per 1,000 ; Bride, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Ivory, $\$ 3$ per 100 , $\$ 25$ per 1,000; Perle, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; A. Beauty, $\$ 6$ per 100 , $\$ 50$ per 1,000 ; American Beauty bench plants, $\$ 6$ per 100 , $\$ 50$ per 1,000 .
Peter Relnberg, 51 Wabash Ave., Chicago.
Roses-Young stock of roses ready to shlp; from 2-in. pots: Bride, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Bridesmaid, $\$ 3$ per 100 , $\$ 25$ per 1,$000 ;$ Meteor, $\$ 4$ per $100, \$ 30$ per 1,000; Golden Gate, $\$ 3$ per $100, \$ 25$ per 1,000; Kalserín, $\$ 4$ per $100, \$ 35$ per 1,000 . Wietor Brothers. 51 Wabash Ave. Chicaso.
Roses- 4,000 Crimson Ramblers, $\$ 1$ to $\$ 25$ each; 3,000 rose plants, $\$ 6, \$ 9, \$ 12$ er doz., for Easter
Hoses G. Gate Bride, Bridesmaid, Perle, Ivory, Cochet, Bon Silene, etc., $\$ 4$ per $100, \$ 38$ per 1,000, 3-in. pots. Same var., 2 -in. $\$ 3$ per 100, $\$ 25$ per 1,000. E. G. Hill Co. Richmond, Ind. Roses-Roses, $\quad{ }^{21 / 4}-$ in. pots, strong
plants. Maid, Bride, White and Plnk
Cochet, $\$ 2.50$ per $100, \$ 20$ per 1,000 . American Beauties, 24-1 $\$ 20$ per 1,000 . $100, \$ 40$ per 1,$000 ; 3-1 n$. pot plants, $\$ 6$ per $100, \$ 50$ per 1,000
C. W. Reimers, Station A, Louisville, Ky.

Roses-Easter stock. Baby Rambler rose, Mme. Norbert Levavasseur, 1-year-old, field-grown, for 4 -in. pots, \$5 year-old, fiela-grown, $\$ 35$ per 100 . 27 Chestnut St. Philadelphia.

Eose Gen. MacArthur, $21 / 2-1$ n. pot plants, $\$ 10$ per $100, \$ 80$ per 1,000; $3-1$. Painesville. O. Storrs \& Harrison Co.
Roses-Forcing and bedding roses Beauty, $21 / 2-i n$. pots, $\$ 5$ per $100 ;$ Muriel Graham. fine for forcing, Sept. propagating, strong, 3 -in. pots, $\$ 10$ per 100 P. Rambler, 3-in. pots, strong, $\$ 8$ per 100. New roses (last year), climbing Marie Bulow, M. Jean Dupuy, Comte Amadee de Foras, Mme. T. Cusin, Peace, all Sept. propagating. strong, $3-1 n$ pots, $\$ 1.25$ per
Roses-Rose plants, own roots, field rown; 100.000 yet to sell; all leading varieties, Callfornia Rose Co., Los Ancreles, ral.
Roses-Rooted cuttings Bridesmaid, $\$ 00$ er $\$ 25 \mathrm{per} 1.000 ;$ Golden Gate, $\$ 3$ per
$100, \$ 25$ per 1.000; Ivory, $\$ 3$ per $100, \$ 25$ Rer 1.000: $21 / 2-1 n$ pot plants. George

Boses—riraftad rose stock, Kalserin
1'arnut, 's1/t-1n. pots, $\$ 15$ per 100; $\$ 120$ ride and Eridesmabif, $21 / 4-1 n$. pots,
$10 n, \$ 35$ per 1,000. W. H. Ellott,

Roses-Gen. MacArthur roses, $\$ 10$ per 100 , $\$ 40$ per 1,000 ; Chatenay, $\$ 3$ per 100 $\$ 25$ per 1,000. Gasser Co., Cleveland, O. Roses-60,000 gratted roses for forcing. Delivery April, May, June. Lib erty, rose pots, $\$ 2$ per $100 ; 31 / 2$-in. pots Gate, Kaiserin, rose pots, \$10 per 100 ; Gate, Kaiserin, rose pot
J. L. Dillon, Bloomsburg, Pa.

Roses-Now is the time to place your orders and insure getting good stock for planting.

John N. May, Summit, N. J.
Roses- The fine new pink rose, La Detroit, $21 / 2-i n$ pots, $\$ 8$ per $100, \$ 75$ pe
1,000 . General MacArthur, $21<-1 n$ pots $\$ 8$ per $100, \$ 75$ per 1,000 .

John Breitmeyer's Sons, Detroit, Mich
Rudbeckia-Golden Glow, 4-in. pots, 75 c per doz., $\$ 6$ per 100 .

Henry A. Dreer, Philadelphia.
Salvia-Salvia splendens, \$1 per 100.
Hill Top Greenhouses, Utica, N. Y. Salvia-Salvla, Mrs. C. N. Page, a new scarlet salvia of great merit. Besides ities of other good salvias it can be had in bloom for Thanksgiving and Christmas. Write for descriptive cata logue. 2 -in. pots, $\$ 1$ per doz. $\$ 6$ per $100 ; 4$-in. pots, $\$ 2$ per doz., $\$ 12.50$ per 100. lowa Seed Co., Des Moines, Ia.

Salvias-Salvia splendens and Jean Revenal,

Frank A. Plerson, Cromwell, Conn.
Salvias-Rooted cuttings and plants Ludvig Mosbaek, Onarga, Ill.
Salvias-Six varieties, \$1 per 100; $\$ 8$ per 1,000
D. Brant, Clay Center, Kan. Salvias-Bonflre and St Louis, $\$ 1$ per 100, $\$ 8$ per 1,000 .
C. Humfeld, Clay Center, Kan.

Salvias-Salvia, two best, Lord Faunt elroy (dwarf), Bonfire (tall), $\$ 1$ per 100 $\$ 8$ per 1,000, cholce rooted cuttings
W. T. Buckley Co., Springfield, Ill.

Salvias- 10,000 fine large 2-in. Salvia splendens, $\$ 1.50$ per $100, \$ 15$ per 1,000 S. W. Carey,' Urbana, 0

Saxifraga-200 Saxifraga sarmentosa, superba, magnifica; $\$ 50$ for the entire stock. Final auctión April 12

Albert Fuchs, 2059 N. Halsted St., Chicago.
Smilax-Smilax plants, strong, $21 / 2$ in., $\$ 1.50$ per 100 .
omilax Milwaukee, Wis. Smilas-Smilax from 2-in. pots, $\$ 1.50$ per 100; $\$ 12.50$ per 1,000 .

Good \& Reese, Springfleld, O.
Smilax-Have this stock by the 100 , 000 . Albert M. Herr, Lancaster, Pa.

Smilax-For sale, 1,200 strong smilax plants in $21 / 2-i n$ pots, $2 c$ each. Cash with order. A. B. Lewis, Pontiac, Mich.
Smapdragon-Three fine snapdragons our giant pink, a grand white, and
fine yellow, $\$ 6$ per 100 , $\$ 50$ per 1,000 .
John Breitmeyer's Sons. Detroit, Mich.
Spring Stock-You will need some of the following for your retall trade. We guarantee quality; send your order now we ship when you say the word: Hy drangea paniculata grandifora, ${ }^{3}$ toet, heavy branched, $\$ 1.25$ per doz., $\$ 10$ feet, heavy branched, $\$ 1.25$ per doz., $\$ 10$
 strong stock, $\$ 1.75$ per doz., $\$ 13$ per 100 H. P. roses, $\$ 1.50$ per doz. $\$ 11$ per 100 ; Clematis Jackmani and sorts, large 3-year-old stock, $\$ 3.75$ per doz., $\$ 30$ per 100 ; Am pelopsis Veitchi, extra heavy, Holland grown, $\$ 1.65$ per doz., $\$ 12$ per 100 ; tre roses in assortment, strong 2 -year-old $\$ 4.50$ per doz. $\$ 35$ per 100; Aristolochla Dutchman's Pipe, extra strong, $\$ 3.75$ per doz., $\$ 30$ per 100. Bulbs: Dahlia roots, in colors, $\$ 1$ per doz., $\$ 7$ per 100. Caladjum esculentum, 5 to 7 in. in circumference 40 c per doz. $\$ 2.50$ per 100 ; 7 to 9 in. 60 c per doz., $\$ 4$ per $100 ; 9$ to 12 in., 95 c per doz., $\$ 7$ per $100 ; 12$ in. and up, $\$ 1.75$ per doz., $\$ 13$ per 100. Cannas, good named varietles, assorted, 50 c per doz.
$\$ 3$ per 100 . Gladiolus, finest mixed, 15 c per doz., \$1 per 100. And a complet assortment of all shrubs, vines, bulbs etc. Write for prices on any stock in thls line you mlght want. We can and will make it worth your while. Ave., Chicago.

Spiræa-Spiræa compacta floribunda, Japonica and Gladstone
Godfrey Aschmann, 1012 Ontario St.
Spring Stock-Rooted cuttings of vincas, ageratum, petunias, sw. alyssum, fuchsias, cuphea, salvias, coleus, cannas, feverfew, marguerites, nasturtium, rose geranium, centaurea, etc. Geo. A. Kuhl, Pekin, 111.
Stocks-Double white, for Easter, \$1 per 100, $\$ 8$ per 1,000

Hill Top Greenhouses, Utíca, N. Y.
Swainsons-Swalnsona alba, rooted cuttings, 75 c per 100.

Byer Bros., Chambersburg, Pa. Tradescantia-Tradescantia,
cutings, 2 kinds, 75 c per 100 .
cuttings, $B y$ Bros., Chambersburg, Pa.
Umbrella Plants-Umbrella plants, 2in., fine, 2c.
Byer Bros., Chambersburg, Pa.
Vegetable Plants-Vegetable plants. Price list mailed free.

Ludvig Mosbaek, Onarga, Il].
Verbena-Verbena, 2-in. pots, $\$ 2$ per
100 . Geo. M. Emmans, Newton, N. J.
Vsrbenas- 500,000 verbenas, 60 vari eties, perfectly healthy. Prize rooted cuttings, 60 c per 100 , $\$ 5$ per 1,000 ; plants J. L. Dillon, Bloomsburg, Pa.

Verbsnas-Rooted cuttings, 30 varieties, 60 c per 100 .
S. D. Brant, Clay Center, Kan.

Verbenas-Rooted cuttings, 60 c per
00 . Byer Bros., Chambersburg, Pa.
Verbenas-Mammoth verbenas, 60c per 100, $\$ 5$ per 1,000: 21/4-in. $\$ 1.50$ per 100 Hill Top Greenhouses, Utica, N. Y.

Vinca-Vinca varlegata, 3-ln. pots, $\$ 5$ per 100.

Frank A. Plerson, Cromwell, Conn.
Vinca-Vinca vine, variegated, $\$ 2.50$ per 100.

Jas. H. Cunningham, Delaware, O.
Vines-Clematis paniculata, 2-yr., 10 c A. Veitchi, $10 c$; American ivy, 8c; honey-
suckle, Hall's, etc., 8 c . W. H. Salter, Rochester, N. Y.

Violsts-Grand Rapids violet stock from bench, M. Louise, Imperial and Princess of Wales, $\$ 5$ per 100 , $\$ 40$ per 1,000; rooted cuttings, $\$ 10$ per 1,000 pots, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; rooted \& Hunter, Grand Rapids, Mich.

Violets-Trans. Violet layers, Princess of Wales $\$ 1.50$ per 100 , $\$ 10$ per 1,000 . E A. Baller, Bloomington, Ill.

Violet-Violet Princess of Wales, $\$ 2.50$ per 100. Rooted cuttings, $\$ 1.25$ per 100
Nathan Smith \& Son, Adrian, Mich.
Violsts-Rooted cuttings.
Eli Cross, Grand Rapids, Mich.
zamia-Zamia integrifolia, \$12 per
1,000 . Soar Bros., Little River, Fla.

## NURSERY STOCK.

Ampelopsis-Ampelopsis Veitchi.
Box Trees-Large stock, all varieties Joseph W. Vestal \& Son, Little Rock, Ark.

工andscape- "Beautiful Grounds," an illustrated manual containing suggestions on lawn making, planting and care of shrubs and trees. Landscape plans, topographical surveye, etc.
Peterson Nursery, 503 W. Peterson Ave, Chicago.
Inilacs-Forcing lilacs, German pot grown; also the field grown Paris de Marly, imported to order. Aug. Rolker $\frac{\& \text { Sons, } 31 \text { Barclay St., N. Y. }}{\text { Lilacs-Lilacs a specialty. }}$

Jilacs-Lilacs a specialty. Smits, Ltd., Naarden, Holland.
Magnolia-Magnolia grandiflora, per 100: 5-6-in., $\$ 5 ; 8-10$-in., $\$ 8$; 15-18-in., 100: 20-6-in., $\$ 5 ; 80$. Strong, pot-grown plants. Joe Browne, Nashville, Tenn.

Magnolia-200,000 Magnolia grandper , 0 . 0 . per 1,$000 ; \$ 115$ per 5,$000 ; \$ 200$ per $10,000$.
Joseph $W$. Vestal \& Son, Little Rock, Ark.
Nursery Stock-Elm and maple trees for planting. Thos. Collins, Hinsdale, Mass.

Nursery Stock-Shade and ornamental trees; peach trees; shrubs, leading sort
Nursery Stock-Rhododendrons, azal eas, magnolias, Iilacs (pot grown), hardy evergreens, etc. Catalogue 1905-06 free on application.
C. Frets \& Sons, Boskoop, Holland. Nursery Stock-Ornamental trees, Bay State Nurseries, N. Abington, Mass.
Nursery Stock-Phlladelphia Rambler, fleld plants, 2 to 3 ft., $\$ 2$ per doz., $\$ 15$ per $100 ; 3$ to 4 ft., $\$ 3$ per doz., $\$ 20$ per
Conard West Grove, Pa.
Nursery Stock-Trees, shrubs, vines, small fruits.

The Wm. H. Moon Co., Morrisville, Pa.
Nursery Stock-Wholesale growers of Wursery stock Catalogue free. Han Kleef \& Sons, Boskoop, Holland.
Nursery Stock - Headquarters for hardy perennials; 12 acres conifers; 3 acres rhododendrons; 2 acres hydrangeas. Tottenham Nurseries (Ltd.), Dedemsvaart, Holland.
Oaks—Pin oaks, 6 to ${ }^{7} \mathrm{ft}$, \$6.75 per 10, $\$ 32$ per $100 ;$ to $\$ \mathrm{ft}$., s per 10 , $\$ 40$ 100; 9 to 10 ft ., 出14 per $10, \$ 48$ per 100 ; 10 to 12 ft ., $\$ 18$ per 10 . $\$ 60$ per 100 . Not less than 10 trees at 10 rate, 25 trecs at 100 rate. Andorra Nrs., Chestnut Hill, Philadelphia.
Privet-700,000 California privet, current prices; all plants havs been transplanted and cut back, except $1-y r_{\text {. }}$ maiswishing 5000 or ever wilte for better rates. $\quad$ River View Nurserdes, Little Silver, N. J
Privet-California privet cheap, 100,000 plants, 3 to $4-\mathrm{ft}$., $\$ 4$ per $100, \$ 25$ per 1,000 ; $21 / 2$ to $31 / 2-\mathrm{ft}$., $\$ 2.50$ per 100 . $\$ 17.50$ per 1,$000 ; 20$ to $30-\mathrm{in}$., $\$ 2$ per $100, \$ 13$ per 1,000; 18 to 24 -in., 2 years, $\$ 1.50$ per
$100, \$ 7$ per 1,000 . Boxed f. o. b. here. For car or large lots, write before placing orders.

Chas. Black, Hightstown, N. J.
Rhododendron-Best named hybrlds, 20 -in. high, $\$ 9$ per doz.; 24 -in., $\$ 12$ per doz.: $30-32-\mathrm{in}$, , $\$ 24$ per doz.

Storrs \& Harrison Co., Painesville, O.
Ribbon Grass-Silver ribbon grass, held-gro 25 oor doz 88 per 100 by press, not prepaid.

James Vick's Sons, Rochester. N. Y.
Rose-Rose Clothilde Soupert in bud or bloom, 4 -in., $\$ 12$ per 100 .
Hitil Top Greenhouses. 15 Gray Ave., Utica

Roses-Hardy roses.
Ellwanger \& Barry. Rochester. N. Y.
Roses-Crimson Rambler, Dorothy Perkins, La France 89 per 100, for not Jackson \& Perkins Co., Newark and New York.

Roses-Rose plants. Write for prices on hybrid perpetuals, hybrid teas, teas, climbers, ramblers, etc.
C. M. Niuffer. Springfield. 0 .

Rose-Baby Rambler, ever blooming: dwarf crimson, $3-i n$, pot plants (graft ed): ready April 15; \$4.50 per doz. S35 ery, per doz., $\$ 3$; per $100, \$ 20$
Vryanghan's Seed Store, Chicago and New York.
Roses-Gruss an Teplitz, Maman Cochet 2-year-old. $\$ 2$ per doz., $\$ 15$ per 100 . Hermosa, 2 -year-old, $\$ 2.25$ per doz., $\$ 16$ per \$1.50 plor doz., \$10 per 100 ; Kaiserin Aug. $\$ 1.50$ per doz., $\$ 10$ per 100; Kaiserin Aug.
Victoria and Paul Neyron, $\$ 2.50$ per doz. Victoria and Paul Neyron, $\$ 2.50$ per doz, per 100; Crimson Rambler, 2 -year-old, No. 1, 2 per doz., $\$ 15$ per 100 . No. 2 $\$ 1.50$ per doz, $\$ 10$ per 10, Perkins and many other varietles. New York.

Roses-Ramblers, all colors, Magna Charta, F. Karl Druschki, Mme. G. Luizet. Alf. Colomb, strong $2-y r$. dormant. Bride, Perle, Cochet, G. Gate, etc., 5-in. pots, $\$ 10$ ver 100 . W. \& T. Smith Co.,
Geneva, $\mathrm{N} . \mathrm{Y}$.

Roses-Hardy roses, $2-\mathrm{yr}$., field grown Gen. Jacqueminot, Magna Charta, La France, C. Rambler, first size 12 c ; sec H. Salter, Rochester, N. $Y$.

Shrubs-Hardy shrubs Ramblers, etc vaughan's Seed Store, Chicago and ew lork.
Shrubs-shrubs. hardy plants, climb ers, etc. Ellwanger \& Barry, Rochester

Shrubs-Hardy shrubs in leading vafentzia doc: Japan quince Sc; spira and weipelia, 10 c . W. H. Salter, Roches ter. N. Y
Shrubs-Ampelopsis Veitchi and a large assortment of shrubs. W. \& T,

Trees-Fruit trees, ornamental trees rgreens, shade trees
Ellwanger \& Barry, Rochester, N. Y.
Wistaria-Wistaria, large assortment H C Easter plants.

## Seeds, Bulbs, Spawn, Etc.

Asparagus-A plumosus nanus seed, - ner 1,000. Cottage Nrs., San Diego,

Asparagus-1904 new crop asparagus seeds. Plumosus nanus, 55 c per 100 . $\$ 3.50$ per 1,000 ; Robustus, 85 c per 100 $\$ 1$ per 1,000 . Moore \& Simon,

207 Market St., Philadelphia, Pa.
Asparagus-A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, $60 \mathrm{c} ; 250$ seeds, $\$ 1.15 ; 1,000$ seeds, $\$ 4$ outhern greenhouse grown, 1,000 seeds, 3; 5,000 seeds, $\$ 12.50$. A, plumosus roDecumbens, 100 seds, $50 \mathrm{c} ; 1,000$ seeds Decumbens, 100 seeds, $50 \mathrm{c} ; 1,000$ seeds, . Comorensis. 100 seeds, $\$ 1 ;$ 1,000 Vaunhan's Seed Store, Chicago and New York.

Aster-Aster seed, best German grown Queen of the Market, $1 / 1 \mathrm{oz} .15 \mathrm{c}$; oz. 50 c Victoria $1 / 4 \mathrm{oz} .50 \mathrm{c}$; oz. $\$ 1.75$; Giant Vic toria 1/4 oz. 60c; oz. \$2; Pxony f. Perfection $1 / 4$ oz. 45 c ; oz. $\$ 1.50$; Semples branch ing home growth $1 / 4$ oz. 20 c ; oz. 60. Sep-
arate colors or mixed.
W. C. Beckert, Allegheny, Pa.

Aster-Seed of the Carlson, 1 pkt. 20c: 3 pkts., $50 \mathrm{c} ; 1,1$ oz., 30c; 1 oz., $\$ 1$. Branching or Semple, 1 pkt., $10 \mathrm{c} ; 1$, $1 /$ oz, 20c: 1 oz. 60c: 1 lb. $\$ 6.50$. Vaughan's upright white branching, trade pkt., 10c, A Oz. 20c: oz., 65c. Vaughan's upright 0c. branching, trade pkt., 10c; $1 / 4$ oz. Ideal. trade pkt., 15 c ; 1 oz. 30 c : 1 oz. $\$ 1$ Vaughan's Seed Store, Chicago and N. Y
Begonia-Begonia, single flowered, separate colors, 40 c per doz., $\$ 3$ per 100 mixture, 35 c per doz., $\$ 2.50$ per 100 ; dbl 5 were separate colors, 65 c per doz. per 100: mixture, 50 c per doz., \$4 per 100 Larayette, 25 c each, $\$ 2.65$ per doz, Chicago and New York.
Bulbs-Ward's high grade bulbs and plants. 17 Ratph M. Ward \& Co., 17 Battery Place, New York.
Bulbs-Holland bulbs and plants. wholesale growers hyacinths, tulips, narcissus, crocus, spiræas, gladiolus, pronias, etc. Special prices French bulbs, Roman hyacinths, Paper White, etc. Van Zanten Eros., Hillegom, Hol land; G. Hylkema, care Maltus \& Ware, $3 \mathrm{f}_{\mathrm{h}}$ Water St. New York.
Bulbs-Spring or fall dellvery, for forists' use. We import to order, bulbs and plants. ${ }_{31}$ August Rarclay St., New York Sons,
Bulbs-Eermuda Harrisii bulbs. July August delivery.
Chas. A. V. Frith, Hamilton, Bermuda.
Cabhage-Seed Early All Head, 20c per oz.: 60 c per $1 / \mathrm{m}^{\mathrm{lh}}$.

Vaughan's Seed Store, Chicago and York

Caladum-Caladium, 5-7-in. circumerence, 40c per doz., \$.50 per 100; 7-9in. circ, 60 c per doz., $\$ 4$ per $100 ; 9-12-1 \mathrm{n}$. circ.. 95 c per doz., $\$ 7$ per 100:12-1n. and up, $\$ 1.75$ per doz,., $\$ 14$ per 100 .
Vaughan's Seed Store, Chicago and N. Y.

Celery-Seed White Plume and Snow
White, 10 c per pkt.; 15 c per $1 / 2 \mathrm{za} . ; 25 \mathrm{c}$ Vaushan's Seed Store, Chicago and New York.

Cycas-Cycas stems, new stock, all sizes. Sc per 109 lhs.; $73_{1} \mathrm{C}$ per 200 lbs . $71 / 2 \mathrm{c}$ per 500 lbs . Yaughan's Seed Store, Nicago and N .
Egg Plant-Seed of New York Imfroved, 1 pkt., 5 c ; $1 / 2$ oz., $15 \mathrm{c} ; 1$ oz., 25 c . Vaughan's Seed Store. Chicago and N. Y. Gladiolus-Gladiolus in variety. Gladiolus-Augusta. $\$ 3$ per $100, \$ 26$ $\$ 11.50$ ner $1.000 \%$ Crires, $\$ 150$ per 100 , $\$ 12.50$ per 1.000; Xay, 1.50 per 100 , Chicago and $N$.
Grass Seed-Chicago park's lawn grass seed. Write for prices
Vaughan's Seed Store, Chicago and New York.
Lettuce-Seed, Black Seedē Simpson, Vaughan's select stock oz., 10 c ; $1 / 1 \mathrm{lb}$., 25c.; 1 lb., 80 c . Vaughan's Seed Store, Chicago and New York
Lily of the Valley-Berlin and Hamburg pins, $\$ 10$ per 1,000; $\$ 22.50$ per case. containing 2,500 .
Robbink \& Atkins, Rutherford. N. J.
Lily of the Valley-Forcing pips.
Julius Hansen, Pinneberg, Germany.
Lily of the Valley-Pips, $\$ 12$ per 1,000 , $\$ 1.50$ per 100. Good grade plps, $\$ 7.50$
H. N. Bruns, 1409-11 W. Madison St., Chicago
Lily of the Valley-Early and late forcing pins, Multibell. Berolina, early forcing Pirlin, Polaris, Hansa, late forc-
ing Hamburg. Aug. Rhotert, 26 Barclay ing Hamburg. Aug. Rhotert, 26 Barclay
Mushroom Spawn-Frequent imnortathon from England, always fresh and
Hvely. J. J. Styer, Concordville, pa.
Nicotiana Sanderæ-Seeds in original pkts. 25c ner pkt.
J. M. No.

Onions-Genulne Bermuda onlon seed, rown and exported by
Wlldpret Bros., Port Orotava, Tenerifte Canary Islands.
Pansy-Pansy seed, $\$ 1$ per pkt., $\$ 5$ per
E. B. Jennings. Southport. Conn.

Radish-Seed of Scarlet Globe, Vaughan's select stock. 1 oz.. 10 c : $1 / 4 \mathrm{lb}$., $30 \mathrm{c}: 1 \mathrm{ib} ., 70 \mathrm{c}$. Vaughan's Seed Store,

Salvia-Salvia splendens grandiflora. W. W., 25 c : ox., $\$ 1.50$. Co., 12-13 Faneull Hall Square. Roston.
Seeds - Rawson's Arlington tested seeds for the florist. Catalogues mailed free. ${ }_{12}$ W. Wh. Rawson $\&$ Co.
Seed-High grade grass, clover and troe seed.
Conrad Appel, Est. 1789, Darmstadt. Germanv.
Seeds-Burpee's catalogue for 1905 is now reany
atrpe Burnee Co., Philadelphla
Seeds - Wholesale seed growers. Flower and garden seed

J Renten ro. Frand Rapids. Mich
Seeds-frowers of fiold enrn, sweet and ponearn, cheumber. molon and cranash seph

Seeds-Importer and exporter seads buiths anul niants ITm. P. Craig, 1305 Fithirt St.. Philabelphin
Seed-Aster sped of Miss liate Lock, 2
 tre Tormata

Seed-Now is the time to sow the new hybridized glant flowered Obconica primroses, as Carmine, tr. pkt., 50 c . $\$ 1$ ner 1.000: Buttercup Primrose grandlflora. tr. pkt., $50 \mathrm{c}, \$ 1$ per 1,000; Baby Primrose, tr. pkt., $30 \mathrm{c}, 50 \mathrm{c}$ per 1.000 ;
Deppermint, tr. pkt., $30 \mathrm{c}, 75 \mathrm{c}$
per
1,000 peppermint, tr. pkt., $30 \mathrm{c}, 75 \mathrm{c}$ per 1,000 : cowslip, hybrid. tr. pkt., 50 c, , 82.50 per
oz: garden carnation. tr. pkt., $50 \mathrm{c}, \$ 2.50$ per oz.; candytuft Giant Empress, oz, $25 \mathrm{c}, 1 \mathrm{~b}$. $\$ 2.50$.

Zangen, Hoboken, N. J.

Seed-New varieties of sweet corn. Wm. E. Elliott, Newport, R. I.
seeds-Garden, field and flower seeds. Crosman Bros., Wholesale Offce, 503 Monroe Ave., Rochester, N. Y. Retall Store, 275 Main St. East, N. Y.
Soedg- 3,700 acres of garden seeds in cultivation; wholesale seed growers. Cal. Braslan Seed Growers' Co., San Jose Cal.
seeas-Hiower seeds and bulbs; onion sets; garden seeds. Leonard Seed Co., Chlcago.
seeds-Filorists' Hower seeds. New crop now ready. Weeber \& Non, seed Merchants and Growers, 114 Chambers St., New York.
Deeas-seeds, bulbs, plants
342 W . Fourteenth Boddington,
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.
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THE AMERICAN CARNATION SOCIETY. Annual convention at Boston, 1906. Albert m. Herr, Lancaster, Pa., secretary.

## AMERICAN ROSE SOCIETY.

Annual meeting and exhibition, Boston, Mass. March, 1906. WM. J. Stewart, 11 Hamilton Place, Boston, Mass., secretary

## AMERICAN PEONY SOCIETY.

Exhibition at Chicago ahout June 15. Artuor H. Fewkes, Newton highlauds. Mass., secretary. T. li. Deamud. 51

## A Spring Song

Shall I believe again in spring? My heart is cold with wintering. oh! shall my garden bloom anew? My frozen milies to the light
Lift up their caps of green and white. Shall leaves come on my empty trees, And there be roses and heartsease? The king is dead, long live the king : The old king's ermines are brought low And the young ling's new purples show Shail I believe again in spring ?

This morning is a rosier thing. And bears some promise in her eyes, Spring's rumor runs, a sweet surmise, Up from the taproots to the hough Wherein the new sap rises now. A veil of blue makes soft the skies That were sealed fast with wintry gray A dancing wind has hlown away The memory of the winter's day The sun has lighted up perforce The golden bonflires of the gorse. Lest haply men and maids forget
That kissing is in season yet
I'll take the hint the gorses give And I again will love and live. My feet shall dance. my tongue shall slng, And I'll belleve again in spring.
-Pall Mall Gazette.

## Easter Plant Arrangements.

Several illustrations are given in this issue showing examples of Easter plant grouping as done by the leading New Tork retailers in the fashionable sectinns where wealthy customers abound.

A tub of lilacs made a very pretty picce and the price asked, $\$ 25$, was not ricessive when the contents are taken into consileration. Both white and purple lilacs were used together with l'teris tremula, and the bows were of light hlue ribbon. The tub was white enameled, the hoops gilded. In these arrangements moss is mainly used to fill up the space inside, soil being too heavy for convenient handling. See Fig. 1.
Une of the nost beantiful, yet simple, arrangements was the square handled "'Russian"' basket filled with lilies and Crimson Rambler roses. The ribbon was erimson, harmonizing with the roses. Around the hase is seen a little fringe of Erica carnea. These "Russian', receptacles have been very popular in New York both for Christmas and Easter. The rough wood of which they are made is colored to match old weather-beaten material in lichen grey and brown. See cover lesign.

The willow clothes-basket filled with Azalea mollis was exceedingly pretty. The azaleas were of the yellow-flowered variety and the sash was of corresponding color. The basket was in uncolored wood. Around the sides a few ferns were used to fill in the apen spots, the glossy foliage of the Cyrtomiun falcatum being especially effective so used. See Fig. $\because$.

The picture of a Crimson Rambler shows the methorl of hoop training used in New lork more generally than any other form. The white celluloid pothasket is much liked in connection with the hrilliant crimson flowers of the Rambler. See Fig. 3.

The hamper of violets speaks for it self. The hamper is male mainly of rafia, and zinc-lined. Lady Hंume Camplibll is the violet used almost exclusively in these plant arrangements. Large numbers of these pretty affairs are bought at Easter. The supply men furnish the hampers in varying styles and sizes to suit all. See Fig. 4.

Bougainvillea Sanderiana makes a very pretty pot plant, as shown in the illustration. Grown small as in this case a limited number of them can be disposed of. The large plants often
grown are wanted more for decorative effect in the store than for their selling qualities, and they are unrivalled for this purpose. The white celluloid basket is an essential adjunct if they are to be shown at their best. See Fig. 5.

Azalea Hærensiana, introduced here a few years ago, has acquired for itself a firm position among the standard Easter varicties alongside Vervæneana, which it excels in symmetry and abundance of bloom. With Primula obconica in comhination, in a rough basket of plain willow twigs as shown in the illustration, it made a beautiful Easter sulject. The obconica hybrids, now generally lisseminated with the fine round flowers With size and variety of color nearly equal to those of the best Chinese priniroses, are becoming deservedly popular despite the late rather exaggerated sensation regarding their poisonous qualities. This last described arrangement was seen at The Rosary on Thirtyfourth strect, New York. All the others were photographed in the new store of Siebrecht d Son on Fifth avenue. See Fig. 6.

## Window Displays in New York.

There is no city in the country where so much attention is paid to the appear ance of the stores and windows of the llorists as in the great metropolis of New York. Here is fonnd the largest and greatest variety of flowers to be seen anywhere. The wealth of the country is centered here; twice as many people are within, or close to its city limits as are found in any other lopulous center of the United Statos. In consequence the demaml is such that it is unquestionably the best maket, where anything of unusual excellence is always salable at a good price.

An example of a bigh class store is that of George M. Stmopp. Extra large mirrors are always well arranged with choice stock, mostly foliage and blooming plants. On March 1t a tall, White, tree-looking aftair, while artificial. attracted consilerable attention until its nature was apparent, being a wire frame covered with fringed linen to imitate a cendar or cypress tree in winter. When attention was turned to the really heautiful plants, a tree, Otaheite crange, full of fruit was flanked by white wistarias, clematis, large flower ing varieties, handsome acacias and a jar of forsythia blossoms. The side windows were filled with choice speci-


EASTER PLANTS--Fig. 1.
(Tub) of Lilacs.)
men palms and ferns, among which were azaleas and acacias. Inside there was an advance display of Easter baskets filled with a variety of plants and all touched up with pussy willow sprays. Ribbons and crepe paper were also used in good taste. They presented a very up-to-date appearance and looked as if they could almost walk away themselves. The morning roses had just arrived and all were being dethorncd which is always done before they are put into the case or offered for sale.
At Thomas Young, Jr.'s, Fifth avenue establishment there were some fine rhodedendrons and choice azaleas whieh completely filled one window. In the other there was displayed cut flowers, not very many but the stock was choice.

Thorley had a fine display of blooming plants, azaleas, rhododendrons, lilacs, deuble flowering almonds, acacias, heather and all choice stock. Uplosite, Alexander McConnell's windows were gay with Ghent and Belgian azaleas, heather and cut flowers in vases.

The Cut Flower Market was an interesting place. Here is an immense iee box about thirty feet long, seven fect high and five feet deep,' white tile insile and ont exeept for the oak frame and glass. F'er all it was so large it was well filled with choice flowers mostly roses and carnations. At one end of the case a sign read "Wholesale Departuent" and an number of the largest sized fiber vases were papered around the top as if holding long stemmed roses and these had large tags
addressed to prominent out-of-town florists pinned on each. Large mirrors at the end of the shop reaching from ceiling to floor doubled the length of
the place and everything else in it They certainly were worth all they cost for the great effect produced. The windows were all that ceuld be desired, one filled with Japanese plants and the other with azaleas. There were two immense pans of Boston ferns and ivies suspended in the large skylighte which added considerable to the ceiling effect. The special idea of the store is to impress customers that it is a wholesale establishment where the retail buyer can enjey the same advantages.
At the Rosary there was double pink hawthorn well flowered and with plenty of foliage, also standard lilacs, magnolias, Ghent azaleas and some pots of well flowered wall flowers.
Siebrecht's magnificent establishment is a beautiful place. Immense kentias stand about and give a tropical air to the place. The windows on one side are filled with choice palms and Japanese plants. The front window contained fine azaleas. Choice wistarias full of bleom occupied places of vantage. The flower case contained choice roses, among them Killarney, which sells much better than Bridesmaid with them. A vase of Uncle John, choice flowers, called by them the Souvenir, which change is we think justified. This is a very pretty flower and likely to be better known. A shipment from the nursery at New Rochelle of 350 cattleyas had just been received; fine flowers they were, and mostly intended for a casket cover.
Bowe's window at Thirty-fourth and Broadway was gay with flowers, eut orchids in a hanging pan, special American Beauty roses in a large stork vase, a jar of forsythia branches, and plants.

Scallen made a display of bulbous pans covered all around with green sheet moss.
Warendorff's window was made attractive with azaleas and twig baskets with low handles. These were trimmed with pussy willow sprays as if


EASTER PLANTS.-Fig. 2.
(rellew dzalea nollis in Willow ('lothers Rasket.)
made of them; they were filled with red roses anã daisies.
At Thorley's Broadway store the large window was completely filled from floor to ceiling with eybotiums and long American Beauty roses, vases of long snapdragon and pots of lilies. The center post was trimmed with sprays of dendrobiums in small vases. The effect was very showy.

Small \& Sons' large windows showed considerable floor space but looked well decorated with long American Beauty roses and cibotiums in one, and azaleas and a bedge of daffodils in the other.

Fleischman's was as attractive as usual, without crowding. The large corner case contained vases of very choice carnations. In one of the large side windows were large cut flower boxes with sash ribbon bows. On a small table rested a bunch of white artificial chrysanthemums with asparagus and a large ribbon bow. It was conspicuous and decorative. K.

## Terriers Versus Flowers.

a sermon to the craft.
At the annual banquet of the Dutchess County Horticultural Society, Poughkeepsie, N. Y., the Rev. Patrick Daly made a very interesting address, from which we take the following as a seasonable and refreshing divergence from our routine reading matter:
' My love of flowers would be for me a source of unqualified delight were it not for the fact that I was born with, or developed at a very early age, a strong love for Irish terriers, and I find that to get along with God and mam. mon is an easy trick compared with combining a love for flowers and of Irish terriers where one has not enough real estate to keep them in separate backyards. The man who would fain love all God's creatures at the same time will find that be has a big contract. It is a sad limitation of our condition here below that we have to be very careful in the regulation of our love even for human beings.
" Now when a man finds his love dis. tracted by the rival claims of beautiful flowers and Irish, or other terriers, be has a delicate and complicated problem to solve. For myself I would be for deciding in favor of the terricrs on the score that they stand higher in the scale of evolution, although willing to admit that the flowers have a soil of their own and that their eloquent beauty inspires feelings too deep for expression.
"But why be angry with a dog because be cannot be persuaded to have a proper respect for flowers Is not all life full of perplexities and incongruities? And the seientists only make confusion worse confounded. An excel lent story teller-a Rev. Patrick Shee-ban-has this story, which will go some way toward excusing the vaudalistic terrier:
"' 'I was,' he says, 'putting up some withered asters today. A robin came over in a friendly way and looked on. I was grateful for the pretty companionship. It was familiar, and I hate stand-off and stuck-up people. I knew be admired my industry if not my skill. He looked very pretty with his deep brown back, and scarlet breast-plate, and his round wondering eyes watching mine. Alas, no! he was watehing


EASTER PLANTS-Fig. 3.
(Hoop-trained Crimon Rambler rose.)
something else. A rich, red, fat worm wriggled from the roots of the dead flowers. Robin instantly seized him, flung him down, bit him in halves, then in quarters; then gabbled up each luscious and living morsel, and looked quite innocent and unconcerned after the feat. He hal swallowed as mueh raw meat as a grown man who wonld the off three or four pounds of beefsteak; and he as his own butcher. And this is the wretch that poets rave about.'
"How easy it is to forget the mangled worm in the song and plumage of the bird! An anti-eruelty-to-animals man will make love to a pretty woman even if she carry half a dozen dean rohins impaled upon her hat. It were easy to push this thought to unpleasant length.
"'For nature is one with rapine, a harm no preacher can heal.'
"I want to know who is the timekeper and warken and night-watehman of my flowers. It is ant the sun, because they are awake before the sun, and after his rays slant high above their heats. It is not light, because whilst it is ret light, light mough to reall with ease and pleasure, behold, my little flowers close their eyes ever so softly and silently, as if they feared to disturb the harmonies of nature; anl as if they would say: "We are sueli little things, never mind us. We are going th sleep for we are sn tiny and hamHe, why should we keep wately and warl over the mighty universe?' And again who has bidden my crocuses wake II from their wintry sleep, whilst the frost is on the grass, and the snow is rot lising in the corners of the garilen lipis?
"Ant here, my little snowtrop, so
pure and fragile, braves the keen arrows of frost and sleet, aul pushes its pure blossoms out of the iron earth. This is the bulb of a hyaciuth; this is the bulb of a dahlia. But the former Wakes up in early spring, and hangs its sweet bells on the pure virgin air; While the latter sleeps on through the cold of spring and the blazing heat of summer, and only wakes up when all nature is dying around it, and seems to The alling for another proof of its im mortality. Who is the watchman of the flowers? Who holds his timepiece in his hands, and says: 'Sleep on, O hahlia! Slepp, though spring shouh
to be repressed. Thon, too, must go into the vortices; and in pain and suf. fering, in mortification and dissolution, pass out to the unknown.'

Can Sporting in Plants Be Induced?
[Address delivered by L. C. Corbett, before the New York Horticultural Society, March 8, 1905.]

The sporting of plants as we term the vegetative variations which occur during the life of the individual is only a special form of variation. Variation we know is the natural tpndency of plants and animals. The direstion and extent of such variation is frequently prede-


EASTER PLANTS.-Fig. 4.
call for universal allegiance, and smmmer winds challeuge thee to resurrec tion; but awake, narcissus, ant tremble at thine own beauty.' It is not the at mosphere. The spring might be warm, and the autumn chilly; or vice versa. It is not temperature, for the most fragile things flourish in the cold. What is it? Who hath marked their times and seasons and warns them when their hour hath struck? Who but Thou, great Warmen of the universe?

- 'Aml werp not, O thou chill of geaius, if whering the universal law, and driven on, not hy ambition, or other unworthy impulses, thou s.rkest to a ast at the feet of men the vist and beantiful efflorescence of thy own mind shouldst thon find all things fround thee conspiling to check and destroy thy imperative development.
"Thon wilt expand and grow and put forth heauty after beanty; and lo! men will wonder at thee, lat seck to duwhoy thee. Harsh winds will blow thome kern arrows into thy face; the revstals of ice will uestle in thy hosom tr whill thee unto death; wingert demons will frohe the with their stings and starl :away thy purfortions. Wecp not, and murnant noot! It is the law-the law of thu star :1uld the flower; of the cloil and the nelbala. If thon seekrst tby own parra :ame ramufort, hide thyself in the rivere of the mountains, or the caverus if the necan; repress all they Innginge, whork nature in its flight after the jueal; ho content to live and not to grow; to exist lut not to develop. Put caust thon? No, alas! Nature is not
termined by exterual dirmmstances-environment-or by inherent tendencies of the individual or species.

In fact fixity of type either in nature or under cultivation is a very dificult thing to attain as all seedsmen and plantsmen well know. The fixity which appears to exist in nature and which is responsible for the existence of socalled species is the result of certain limiting forces workiug in conjunction through countless generations. Break ul this deadlock and the species almost invariahly throw off varieties-a convenient term for indicating a departure from the parent type.

From what has heen said it will be prident that 1 consider a sport simply a marked variety ur variation, which may appear as a distinct individual or as is part of an indiridual huring its pariod of existeuce, in which case for puryoses of distinction we are pleased 10 $\quad$ :all the latter a hom sport or varr"t.x.

Srorting then may be eneouraged hy "xtrome conditions. Either extreme farding or cxtreme porerty may induce plants to sport. Severe changes in climate or soil conditions may result in themed changes in stature, hahits of growth and fruitfulness which are as narkell attributes of a sport as are rlanges in the enlor or foliage or frnit.

Surpee 's Dwarf Lima bean is a good cxample of a sport where the luabit of the flant was markedly changed. The white and fancy sports of the Lawson carmation are good illustrations of -hanges in color. Just here I wish to
note that in a bed of Lawsons and upon a plant with otherwise normal flowers one shoot produced a blossom oue-balf of which was purc white while the other half was of the normal pink of the Lawson. These sports in the Law. son are exceedingly interesting for they clearly indicate that the Lawson is composed of two parts, pink and white, in which the pink is the predominant. Under favorable conditions, however, the white asserts itself and we have the sports above spoken of. This frequent breaking out of a recossive character is all the more interesting in the case of the Lawson carnation on account of the fact that neither of its immediate parents were white, the Lawson being the result of a cross of Daybreak, pink, with Van Leeuwen, cerise. The facilities now at hand $x$ do not allow me to analyze the composition of either Daybreak or Van Leeuwen, but I suspect from the behavior of Lawson sports that one of these pareuts and perhaps both of them have a strong white strain of blood in them.

From what has been said it is evident that cross pollination is believed to be one of the most important means through which the sporting or variation of plants can be induced. The wonderful results olstained by Burbank in his work with fruits has been based alnost entirely upon the practice of cross pollination. In connection with this work there seems to be two pretty well established theories. They may be stated somewhat as follows: When working with species the more violent the cross that cau be secured the more variable will be the hybrids in the second generation and the more likelihood there is of securing distinct forms or monstrosities. Second, that when working with plants which are themselves of crossbred or hybrid origin the peculiar attributes of the particular plants used for breeding purposes can not be counted upon to appear in the mongrel offspring, except, in so far as these characters form important dominant or recessive characters in the breeding of the parent plants.

The marvelous results achieved by some of our modern plant breeders seems to lie in their wonderful skill as manipulators of plants. Crosses have been successfully made by these men and fertile seeds obtained from plants Which have been considered incompatible and so entirely distinct that it was considered heresy to seriously consider the question of making such a cross. I am free to confess that with ninety-nine persons out of every hundred engaging in such work I believe the results would he "nit.'" The success of the one proves his superior skill and ability to diseern the conditions essential for success. The factors then which may be consillered as contributing to the sporting of plants are: Extreme conditions in the envirnmment such as marked changes in latitude, altitude, soil conditions as from alluvial to desert, increasel food supply the results of an excessive use of plant foods or of cultivation, and violent or continuous crossbreeding.

UTail has a uew horticultural law which provides more effectually for the protection of the fruit growing interests of the state against the importation and spread of insect pests and diseases.


The Sweet Pea.
Many admirers of that sweetest and most beautiful of summer blooming flowers, the sweet pea, have experienced utter failure iu trying to grow it. The thrifty, rapid growing vines seem to promise an abundance of flowers, but, on the contrary, only a few small blos soms appear in the whole season to repay the gardener for the tender care he has given them. It is sometimes dif ficult to say just what is the cause of this failure, but perhaps the following notes may help solve the question for some unsuecessful growers.

Perhaps the most frequent cause of failure is that the seed is not started early enough in the spring. Just as soon as the ground can be worked, even though it be still somewhat cold and wet, the seed should be planted. If the fiell is well drained there is rarely any trouble about it germinating. From my own experience $\bar{I}$ shouh] say that later planted peas are generally a failure. This last season bare spaces in the rows were replanted two or three weeks after the first sowing, and although the plants received exactly the same care as the others, and the vines grew very tall only a few imperfect flowers were borne on them.

The soil best suited for the sweet pea is a rich, light, sandy loam. With me the rines never get to be more than five or six feet tall but are covered with flowers throughout the season, hearing as many as the hest of those wroming twice as tall. Begiuning to flower when only a foot high, they continue to flower long after those on a heavier soil have jassed.

Having no way to water them in dry weather, I find it very necessary to have them rooted deep in the ground. Before the seed is planted a large furrow is made with a two-horse plow, going twice in the row. Wood ashes are then applied and thoroughly raked in. The
seed is scattered nearly the willth of the furrow and covered with an inch of the driest earth. As soon as the plants arc all up, in two or three weeks, the filling in process begins, and continues montil the plants are slightly hilled up. In this way the soil never becomes dried out deep down around the roots of the plants.

Constant cultivation should be kept up throughout the season, but when the plants become full grown and the roots spread considerably, care should be taken not to cultivate too deeply. If the roots are disturbed all but the very smallest of the buds will blast, turning yellow and dropping off. Even then, howerer, one need not be discouraged, as new buds will form and the vines will later prorluce larger, finer and longer stemmel flowers because of the rest they have had.
In order for sweet peas to do their best, a great leal of fertilizing is necessary. The ground should be well maured the year before, but if too much is applied in the spring a large growth of vines will be the result. Besides having the ground well enriched before planting, frequent top dressings of different fertilizers should be applied. Wood ashes are always beneficial, supplying the two most needed elements, potash and lime, and may be applied often and in large quantities. Nitrate of soda and cotton-seed meal may be used sparingly to induce a better growth of vines. Hen manure is also valuable for the same purpose. Even late in the season an application of one of these fertilizers, boed into the soil, gives nem life to the vines and improves the quality of the flowers.

After trying various kinds of supports for the vines, brush, with me, has proved the most satisfactory. The vines do not like to elimb on wire as well, and string, though cheaper than either brush or wire, is apt to sag and let the rines down. The brush should he eut in the winter or early spring When there are no leaves on them and if they are left on the ground until


EASTER PLANTS.-Fig. 6.
used they become flattened so that the branches will not sprawl out into the row when set.

As to the method of gathering the flowers, pulling them from the vines is the easiest, quickest and hest way Flotiers picked in this manner keep longer than those whose stems are cut. After a little practice it is only rarely that the vines are torn. From my own experience the past season, I would especially recomment the following newer varieties of sweet peas: Lady Grisel Hamilton, superior to Conntess of Radnor in color and size of flower; Josephine White, an extra early and continuons bloomer; Lovely, better color, form and substance than Katherine Tracy; Miss Willmott, the largest and finest of the orange-salmons; Jeanie Gordon, Jarge and fine fower and productive; Florence Fraser, no larger flower than Blanche Ferry, but superior in length of stem.

Abthur W. Higgivs.

## Dwarf Growing Azaleas.

The dwarf growing azaleas of which Firefly is a widely known example have been gaining rapidly in popularity as Easter plants in New York and other floral centers. So great has the demand in this country become that all the sources of supply of this brilliant crimson and the pretty pink companion variety, Carl Enke, are taxed to their utmost to fill orders. Illustrations of these two varieties are given herewith
and accompanying them is one of a dapanese variety, Hinodekiri, which gave excellent satisfaction to the New Fork trade for Easter last year. Ilinoulairi is erimson, slightly lighter in tint than Firetly. As the picture shows, the flower is less campanulate in form than Firefly. It is a very profuse bloomer and is said to be hardymore so than the well-known amœna. An ortinary bloom of Simon Mardner is shown in one of the pictures in order that the comparative size of the bloom may be clearly perceived. The Japanese are sending over a white-flowered compranion for Hinodekiri, named Shiragiri, and a pink-pencilled one named Azuma-Shibori. In Japan, Azalea ammen is known as Hatzugeri.

## Paris Letter.

Wellelieve we are now over the collest liart of the winter. Our gardens around l'aris are already brightening with flowers of the Eranthis hyemalis, snowdrons, crocuses, Primula elatior, forerunners of srring. Well exposed hyacinths and dafforlils are showing their buds, soon to he followed by the flowers of anemone fulgens, Triteleia uniflora and such early bloomers. Many singing birds are heralding the coming of our beloved spring. In America, where seasons come on very suddenly and cold changes rapidly to warm weather, it is not easy to form any conception of the pleasure enjoyed in this latitude by the growth and progress daily made


DWARF GROWING AZALEAS.
(Azalma Carl Dinke.)
from now until May-joli mois de Mai, as the French say. When the spring is not too wet it is really our most charming season. On the whole and with only a very few short cold snaps, our winter has again been very mild.
RIVIERA FLOWERS STRUCE BY FROST.
One of these snaps, lasting but four days, was the worst ever known in the south of France. The first night it caused considerably more damage on the whole Riviera, which enjoys the same climate as the southern part of California, than all the winters extending over a great period. The florists alone lost not far from $\$ 1,000,000$. In that favored part of France, weather had been warm and springlike until the end of December, the day temperature ranging from $55^{\circ}$ to $60^{\circ}$ in the shade, with only five or six wet days from October to New Year's day. Veg. etation had therefore been two weeks ahead of time. On the first of January, while people were enjoying the holidays, the thermometer suddenly sank to the freezing point and during that night dropped in some exposed parts to $14^{\circ}$.

One can imagine the havoc played noder such unexpected conditions among the unprotected roses, carnations, heliotropes, bougainvilleas, and even among the plants sheltered with matting or glass. The flowers grown for the florists' trade as well as many of the delicate, sweet-scented blooms used for distilling as a base in perfumeries, all disappeared in one night. Those of your readers who ever visited the tropical garden at Monte Carlo with its unique collection of stately palms growing in the open, will regret to hear that some of the rarest specimens have taken on a sad look and may never recover. The same as in California, slight frosts, due to intense radiation during clear nights, are not unusual, especially in the unprotected districts, but never had such a severe frost extended over the whole region, including the well sheltered Beaulieu.

To give an idea of the extent of the damage caused to the growers, it may be stated that the number of boxes of flowers dispatched early from Antibes dropped from about 1,000 to little over 100; the number of those sent from Cannes from 1,600 to 800, and those shipped from Nice dropped from 3,000 to less than one-third. The smaller growers who use rudimentary protection, such as light screens of canvas, heather or reeds, and even those who use somewhat improved structures -such as low rows of glass frames, supported by a single central rail and sloping almost to the ground, while the lower part of the sides is made tight with straw, heather or seaweed-were the greatest sufferers. They had no flowers to fall back on and many who are not in a position to replace their stocks will be ruined. The larger cultivators who use glass houses proper, although they are seriously crippled, will not suffer so much, as they could dispose at double or treble their value the flowers they had saved.

Roses such as Ulrich Brunner, Paul Neyron, and Caroline Testout, jumped in one day from $\$ 1$ to $\$ 3$ per dozen and vjolets from 70 cents to $\$ 1.50$. Safrano roses, the leading open air kind, and which gives the largest money return, with its beautiful conical buds, known here as "Nice's roses," could


Azalea Firefly
DWARF GROWING AZALEAS.
Azalea Hinodegiri.
not be found on the market after the severe frost at any price, nor could Mme. Falcot. It is unfortunate that our northern forcers, owing to the sharp competition of the southern grown roses, had to give up rose forcing some years ago; they would have made money this season. Even at the present date roses are very scarce and bring $\$ 2.50$ a dozen for common quality flow ers. The white and yellow marguerites which are grown in immense quantities and are usually sold pretty cheap, brought 20 cents a dozen flowers.

The lack of flowers consequent upon the abnormal frosts caused a great per turbation in our Parisian as well as the foreign flower trade, which depend mainly on the flowers from the Riviera for their winter supply. Some of our commission flower merchants had to close their shops on account of the scarcity of flowers and their enhanced values. The disturbance, bowever, was not so considerable this year as it would have been in normal seasons The receptions of the society people at Nice, Mentone, Beaulieu, etc., were fewer in number in consequence of the Russian war, and the shutting up by our government of the congregations, convents, chapels, etc., which used to buy very large quantities of flowers for decorations, also decreased immensely the demand for white flow ers, especially white marguerites.

NEW POTATO-SOLANUM COMMERSONII.
A good deal has lately been said of the Uruguay wild potato, Solanum Commersonii. I must at once state, for the sake of novelty hunters, that it is not an entirely new tuber. It was liscovered as early as 1767 near Montevideo by Commerson, accompanying Bougainville in his trip around the world. Dr. Petit found it in 1841 on the sandy dunes of La Plata. In 1882 Ohrond, a French marine doctor, visit-
ing Goritti island, at the mouth of the Rio de la Plata, found it growing will, opposite the city of Maldonado. He brought home six tubers, which were grown by Mr. Blanchard, head gardener of the botanical garden at Brest. Mr. Blanchard afterwards sent a few tubers to Mr. Carriere, the borticultural writer and former editor of the Revue Horticole, who, beliering it to be a new variety, called it Solanum Ohrondii. The result of the trials did not realize the expectation of the planters and the culture was abandoned. 1t was again introduced in 1896, through the consul of Uruguay at Marseilles, by Mr. de St. Quentin, who has had the tubers carefully grown since by Mr. Heckel, director of the botanical institute in that city.

In 190 I , Mr. Labergerie procured some tubers from Mr. Heckel and after laving grown them for a year or two found among the plants several variations, one with a purplish instead of a pale yellow skin, another with a whitish skin, and a third with a pinkish skin. These variations increased from the size of a hazelnut to that of an egg and lost to a marked degree the bitterness which was very objectionable in the trpe. They are also sail to be more resistant to diseases, seventeen per cent. richer in starch, and to give larger rields, from four tons on dry land to thirty tous on swampy soils.

These assertions remain to be demonstrated by further experiments. If the improved tubers never prove a substitute for the true potato for human consumption, they are liable to form a valuable food for stock or, being rich in starch, prove an acquisition as an industrial plant on low, wet soils unsuitable for the potato and many other plants.

Botanists do not agree as to whether Solanum Commersonii from Uruguar,
or S. Maglia, from Chili, S. verrucosun from Mexico, S. inmite from Peru, may be considered as the wild type of $S$. tuberosum, our present Irish potato.

Those of your readers who wish to test the original type of Solanum Commersonii may procure tubers from Vilmorin, the seedsman in Paris. The soil which seems to be best suited to its cultivation is damp or even wet. It is as easily grown as the common potato, but as the suckers and tubers are produced near the surface, ridging is not desirable; a single hoeing when the shoots first appear is sufficient. Under our climate $\mathbf{S}$. Commersonii is hardy and perpetuates itself by its underground root or by the tubers left in the soil, and subsequent planting is not necessary here.

The variations referred to are not yet in the trade. At the same time as Mr. Labergerie, Messrs. Vilmorin are growing some improved forms which are decided advances upon the old types and which they expect to introduce to the trade in the fall of 1906

Now I must warn your readers against too much enthusiasm. Let them remember the picture published a few years ago of a large herd of cows feerling on a small field of sacaline. If anything is to come out of Solannm Commersonii, the fact that Vilmorin \& Company have taken the matter in hand is a sure guarantee of no efforts being sparm to perfect the plant, if in any way mossible

Litimifid. Sll.-R. N. McPheron has decinted to double the capacity of his establishment at a cost of $\$ 2,500$.

Fairbtrit, Ill.-Kring Brothers are erecting a new carnation honse, 30 x 300 fopt. They lave altogether seven houses with a total area under glass of 45,000 syuare feet

## A New York Easter Basket

This illustration of a plant basket arranged at The Rosary, New York, shows how offectively the Japanese azalea, Himompiri, which gave such excellent satisfaction in the New York market last year, makes up in combination with Primula obeonica. The basket shown is one of a type that sold well in New York for Easter. It is made of natural hazel twigs. The sask used is crimson, matching the shate of the azalea flower.

## THE ROSE.

## Preparing the Compost.

Tn regard to soil and the proper selecting and mixing of same for our forcing roses, I am inclined to think that many failures can be traced back to the wrong soil, too much manure, bone, ete. There can also be too little of most any of the fertilizers used and it is up to the rose grower to give this work striet personal attention and not to depend entirely on his help who may be laborers just taken on for this work, as I have witnessed on several oceasions. Just "'kinh o' hang around" the soil pile until the work is completed and see if it loesn't pay.
At many of the larget establishments where American Beauty are grown extensively the soil is prepared in the fall for the early spring planting. The average rose grower does his planting during the month of June, and usually prepares the compost early in April,
which, taking everything into consid eration, is abont the best time to do this work. The manure will retain its strength for a longer period after housing, though some claim that the soil retains all the strength of the manure if piled up in the tall. There must be some of the strengtl wasted through evaporation unless under cover which is rarely the case.

First, select a place near the houses to be filled as this will save extra handling in filling the houses. The soil pile should be built upon a slight knoll so as to Arain quickly, leaving no surface water next to the pile. Have the manure dumped in a ridge rumning the length you wish to make the soil pile. The manure shomld be turnell at least twice and chopped quite fine. After everything is in readiness for the soil select for the own root stock, particularly American Beauty, the heariest soil to be had, a good clayey soil full of fibre. For the grafter stock a grarelly or slightly sandy loam will he requirel; the Manetti takes very kindly to a more open soil. If this grade of soil cannot be procured the adlition of a coarse grade of sand in making up the compost, if using heayr soil, will be a great help.

The soil to be used shonld be plowed as leep as the soil is found to be good, plowing only enough at one time to be used up before it becomes dry. It can then be hantled in larger pieces loaded be hand and much time saved. If too dry the sol will break up easily, causins double the amount of work in lowting ant stacking.


A NEW YORK EASTER BASKET.
(Azalea fhardegiriand Primula ubronion.)

In starting to build up the pile it would be advisable to make it only ten or twelve feet wide, gradually tapering to a ridge; it can be built up six or seven feet high as it will settle considerably. For own root stock add onefourth grain fed cow manure. If swill fed cow manure is used use almost a third. If cow and horse manure mixed is to be used the horse manure should not exceed one-fourth of the amount of manure used and a far better compost is made, using cow manure alone. The addition of sheep manure will be a benefit, using it mixed with the cow manure, say one part sheep to three parts cow manure. For grafted stock or American Beauty a little more manure can be used.

A good plan is to start with the sod grass side down making the outer wall with the larger pieces of sod. Make each layer about nine or ten inches high, filling in the center with the smaller pieces of sod, and finishing up the layer with the loose soil. We usually, before throwing on the loose soil, scatter a little ground bone over the sod, using the loose soil to cover the bone, then the manure which should be spread evenly and brought out to the extreme edge of the sod. The sides of the pile should be almost perpendicular until within about two feet of the finish which should taper to a point finishing with the fine soil packed hard. If the soil is piled up in this manner it seldom becomes too wet to handle and if stacked up by April 15 it will be in excellent condition for housing by June 15.

If sand is added to lighten the soil for grafted roses about half an inch to each layer of heavy soil will be suffieient, but this must be a matter of judgment of the handler of the soil, more or less. As there are so many kinds of soil it is impossible to go by a set rule; if, for instance, the soil is a little too light for roses, if heavy clay, eommon briek or puddling clay, is alded, it can be bronght up to a good grade of rose soil, providing the soil is of a good grade. Good results are obtained by spreading the clay over the sorl in the field during the fall and after lying all winter it will mix nicely by the time it is handled and ready for housing. If the sod is procured from low meadow land and inclined to be a little sour, air slacked lime can be spread on the ground in the fall, or mixed into the compost in small quantities to the layer, or sprinkled through the sod, as it is being piled up. This will also destroy a great many worms found in the manure. Other sugges tions in regard to handling the soil will to male in due season.
E.

## Diseased Rose Buds.

Ed. American Florist:-
What is the trouble with my roses? The buds before they are half open are a little green and scrubby. T use rich soil and when the new shoots come out from the bottom they grow tall and healthy. The varieties are Bride, Bridesmaid and Kaiserin.
J. K.

In reply to "J. K.," regarding the buds which turn green before they are h:ilf opened, it is hard to give a definite reason without knowing the gencral treatment the roses have been sub-
jected to. If the plants are in a good healthy condition, the foliage of good color, etc., the buds may be erippled by excesssive fumigating with tobaceo stems or some other fumigating material. "J. K." does not say whether the Kaiserin, Bride and Bridesmaid are
grown iu the same house or not, but if this should be the case, the temperature of the house to suit the latter would be too cool for Kaiserin, causing slow development of the buds which has a tendeucy to deform them. The buds will be of a greenish color, the petals having the appearance of tissue paper. This shriveled appearance of the petals is often caused by green-fly while the buds are very small. The punctures made then enlarge as the buds develop and the outer petals when the buds are fit to cut will have that scrubby appear ance.

If the plants have been allowed to get bone dry at the bottom at the time of setting the buds, this will also cause deformed buds. "J. K.," after reading some of the causes, may be able to locate the trouble. Fumigate lightly once a week; try some of the fumigat ing papers now on the market; they are far superior to stems and they are cheaper, considering the results. If the Kaiserin are in a separate honse from the Bride and Bridesmaid, try running them at a night temperature of $62^{\circ}$ to $65^{\circ}$, and on bright days $75^{\circ}$ to $80^{\circ}$, with the ventilators well opened, for the Bride and Brilesmaid $56^{\circ}$ to $55^{\circ}$ at night and $72^{\circ}$ to $75^{\circ}$ daytime. Try aud keep a very even night temperature. This, with careful ventilating in the day time, provilling the soil is right, and keeping it in good growing combition, neither too wet nor too dry, will bring on a crop of well formed buds. The canes that come from the base of the plant, if throwing deformed huls, may, and they usually do, make perfect buids after being eot down, leaving four or five eyes; from two to three buds will come with grod stems if care is uscl in sclecting the eyes left on the canes.

## Greenhouse Heating.

Ed. Amenican Florist:-
I have a leanto propagating house running uorth and sonth, size $9 \times 2 \times$
feet. The temperature seldom goes below the freezing point aud the sun shines nearly every day. What kind of a boiler would yon recommend? Also what kind of fuel aud size of pipes tu heat same properly? Surset.

A hot water hoilor nsing hard coal

Lettuce growing in sterilized soil.

and allapted for a radiatiug surface of 120 square feet will be satistactory. Two 2-inch pipes on each side of the house will be sufficient. Of course one should be a flow and the other a return. Other fuel may of conrse be used if cheaper. Another way would be to sink a small stove at one ead and run a pipe for the smoke under the bench. L. R. Taft.

Taunton, Mass.-A. E. Briggs is bulding a new workroom with all modern conveniences for florists' work.

Youngstown, O.-Charles Seigel has purchased five acres of ground at Kyle's Corners aud will soon move his greenhouses there.
Topers, Kan.-The State Horticultural Association has provided for a state inspector of murseries and Governor Hoch has named S. J. IIunter, of Lawrence.

## MARKET GARDENS.

## Pricas of Indoor Vegetables.

The prices of indoor vegetables at leading points April 8 were as follows: Net York, cucumbers, No. $1, \$ 1.25$ to $\$ 1.50$ per dozen; No. ㅇ, $\$ 2.51$ to $\$ 3.50$ per case; lettuce, 50 cents to $\$ 1$ per dozen; mushrooms, 25 ceuts to 60 cenis
 tomatoes, 10 cents to 30 cents per pound; rhubarb, $\$ 3$ to $\$ 4.50$ per 100 bunches. Buffalo, cucumbers, $\$ 1$ to $\$ 1.50$ per dozeu. Cleveland, mushrooms, 30 cents to 50 ceuts per pouml. Minneapolis, cucumbers, \$2 prr dozen. l'ittsburg, cucumbers, $\$ 1.25$ to $\$ 1.75$ per dozen. Detroit, cucumbers, $\$ 2$ per dozen; lettuce, 15 cents to 16 cents per pound. Denver, cucumhers, $\$ 2$ per dozen. Cincinuati, cucumbers, $\$ 1.50$ to $\$ 1.75$ per dozen. Kansas (ity, mushrooms, 45 cents rer pound.

## Notes and Suggestions.

visif other establishments.
Those with similar business interests are profited by organizations and annual gatherings. It is also profitable to visit those morking along similar lines to one's self. The market gardener, although willing at all times to give those interested the benefit of the methods whereby he gaius by rotation, intercropping or some system of manuring in some particular crops, yet is often so busy that he cannot afford the time to write the particulars. A recent visit to a well couhneted establishment disclosed some good ideas which we hope to put to practical usc. Perhaps one of the most notable features was the way the cold frame and garden produce harl licen grown so as to be at their best wheu similar crops in the greenhouses were declining or were to be supersened by other crops. Striugs of lettuce in the hotbeds and cold frames snfficient to cut from 100 to 500 heads per day were fortheoming until the garden produce was ready. Large plots of spiuach emerging from the winter protretion of salt hay in fine condition furnishing a dozen barrels a day.

A further consideration in wintering over spinarh was the drainage afforded


LETTUCE GROWING IN UNSTERILIZED SOIL
by plowing a furrow about every ten feet, thus affording the spinach well drainel beds conducive to earliness. The storage of roots and celery, for which special sherls mere built were of interest, and we hone at some time to describe their particular plau and con-
absolute cleanliness of surroundings, fresh soil and many matters of cultural detail-such as keeping the plants absolutely healthy from the seed box to maturity, by surrounding them with conditions conducive to rapid and healthy growth-are essentials. Further


Sterilized.
Unsterilized.
Lettuce seedlings in sterilized and unsterilized soil.
struction. Lettuce bouses were being transformed into cucumber houses either by setting plants or sowing seed. In either method the ground was trenched and afforded some hotbed material to give them a start. In convenient places throughout the house beets were transplanted some six or eight inches apart, where they will develop nice bulbs in a short time. A successful method of garden intercropping is followed in sowing the onions to have every third drill celery. This was accomplished by using two seed drills for onions and one for celery. This plan with the enriched and clean condition of the field has been uniformly successful.

The market gardener at this season in many cases will find it necessary, in order to fill the wants of his best trade, to have celery on hand. Fine celery is imported from California, and while there may not be any profit in handling it, the fact of having a continuous supply will in all probability have its own influence for good.

Lettuce and soil sterilization.
A few years ago it was not muusual to hear of a lettuce grower losing an entire crop representing hundreds of dollars, or perbaps his all, through no fault of his own so far as cultural methorls, as he understood them, were concerner. In most cases it was brought alout by the presence of a fungous dispase which attackel the lettuce plants when growing under the firevailing conditious at that time. It developed that many soils and manures comtained these fungi, and as the construction of many letture houses was not of the best pharacter as regaris light and ventilation, and the methods of rultivation not so well understood, the plants were often placed in the euvironment suitalile to the attacks of harmful fungi.

The oxperiment stations promptly set tw wherk to dismeror the methonds of confrolling these flismases, and with what sucow. market gententre wan well
appreciate. The gist of the experiments have showu that modern greenhouses, more, soil sterilization, by which all gerus of disease, weeds and insects are destroyed, has been worked out to a satisfactory practical basis, which is now fairly well understood by the average market gardener.

It was pertinent that the interests of the Massachusetts growers were looked after, as indoor vegetable growing is an important industry in that state. Prof. G. E. Stone of the Hatch Experiment Station, Amherst, Mass., has investigated the matter thoroughly and his experiments have been profitable and timely. In his soil sterilization experiments he has invented methods of sterilizing soil in the beds which reuders unnecessary, to a certain extent, the removal of the soil each year. Furthermore, he has demonstrated that lettuce can be growu quicker and with a more certain regree of success. We present herewith the results of one experiment with sterilized and unsterilized soil. The plants were grown in
exactly the same manner, in the same house, and photographed at the same time. The gain in weight was over thirty per cent in favor of the sterilized soil. It would seem especially desirable to use sterilized soil when sowing seed, as often the plants become infected at this stage, although the fungus does not develop until valuable time bas been wasted. Further illustrations in growiug lettuce and melons from seed in sterilized and unsterilized soil will be interesting to the readers of this department.

MUSKMELONS.
We do not suggest this as likely to enrich the market gardener who undertakes it; nevertheless there are times when special trade demands a fancy article in muskmelons in the early spring months. The illustration shows the domestic article, the outdoor American varieties Rocky Ford and Paul Rose. To say they were far superior to the outdoor grown, as we in the northern states understand it, is indeed mild; they were simply delicious.
Growing muskmelons in the early spring months does not present any special difficulty, as everything is in favor of rapid plant growth. The plants in the illustration were sown February 5 , potted in 4 -inch pots February 24, and transplanted into the beds March 8. The first gathering of fruit was made May 21, the last June 21. More thinning of the vines would bave been advantageous, and six or eight fruits are sufficient for each vine to carry to advantage.

Muskmelons require a warm temperature and should not be exposed to sudden and extreme changes in that direction. The house and benches usually employed for cucumbers or tomatoes are suitable for their successful management.

Francis Canning.

Batavia, N. Y.-Ernst Woelkner, gardeuer for M. O. Deunis, was killed at Erie, Pa., by a street car March 11.

Lander, Wro.--Professor B. C. Buffun, of the Wyoming State Horticultural Experiment Commission, was a recent visitor and consulted with Ed. Young and Jolin M. Hornecker regarding the plans for the new horticultural farm.


Unsterilized.
Sterilized.
MELONS IN STERILIZED AND UNSTERILIZED SOIL.

## Dahlias.

The dahlia, despite its so called commonness, is destined to a much longer reign of popularity than some persons predicted, and may not its former commonness contrasted with its present comparative uncommonness have not a little to do with the increasing favor with which it is held? The old show and fancy dahlias were all very well in their day and generation but they almost disappeared temporarily to give place to things of more utility, a qual. ity lacking in the old fashioned dahlias.

The advent of new types changed all this, however; the cactus dahlia of today is as nnlike (if not from the gar dener's at least from the florist's point of view) the old dahlia as the Chinese pink is from the Lawson carnation. The show and fancy dahlias did very well for planting in the border to look at in bloom but were of very little use as cut flowers, whereas blooms of the cactus dahlias can be used to great advantage in numerous ways and for numerous purposes. The ease with which they can be grown adds to their value as a source of supply when large quantities of cut flowers of given colors are known to be needed where facilities for growing other kinds of flowers are lacking Not only are the cactus dahlias suitable for cut flowers but the decorative dah lias are also admirably suited for deco ration. This can especially be said of the variety known as Catherine Duer This is a beautiful brilliant scarlet dahlia with a strong stem and fine foliage, making it an ideal flower for florists' work in baskets and dinner table decoration. Besides these qualities, plants of Catherine Duer in the garden have an at-homeness about them that no others have.

Another type of dahlia that seems destined to closely rival the cactus is the single, and this is so for the same reason that the cactus ontstripped the decorative and others because of its grace and usefulness. A big hunch of single dahlias gathered even proniscuously is not to be sneered at, but a bigger bunch of the Twentieth Century type of single is still more to be prized. And here again we have something equally suitable for border planting as for cut flower purposes. Another and by no means the least evidence of the acknowledged commereial value of the dallias is the issue by more than one grower, of catalogues, specially devoted to them alone

Davin McIntosif.

## Best Commercial Dahlias.

Ed. American Florist:-
What are the best varicties of dahlias to grow for cut flowers to be sold at wholesale?
A. S .

In reply to the above, I would state first, that everything would depend upou the lacation, the most available markets and the class of trade. Many varieties of dahlias can be grown and soll? profitably at 50 cents per 100 , proviling there is a nearby market and they can be sold in quantity. On the other hand, varieties like Mrs. Roosevelt, Grand Duke Alexis and a number of other finer sorts, cannot be grown profitably at their hest and shipped to market inder $\$ 10$ per 100 . Of course in speaking of their best, we mean


AN ${ }^{9}$ EARLY SPRING CROP OF MUSKMELONS.-See page 528
flowers of 1.2 to 7 inches in diameter, Well grown, well colored and on two to four foot stcms. Where the trade of the country will warrant it, the New Century single dahlias are most profitable. Cur howers of this type have never been sold by sammel S. Pennock of Philatelyhia at less than $\$ 4$ per 100 , a very gool price for single dahlias, considering the fact that the Centuries are ammen the best hoomers.

In alllition to the Centuries in the singles, we have the pure white, D. allo supmin: follow, St. (ieorge and Gold Stanlard; dark, Blackhird; Ami Barrillet, flowers garmet, with purple foliage: pink, Mollie, Gracie and the Fairy; scarlat, Willfire. The cactus dahlia would be the most valuable elass if they carriel better or kept better after heing cut. There is, however, a new race of these of whieh Kriembite is the leading type. Kriembilhe is a beantiful clear pink, tinting lighter toward the center petals, of fine form, has good strms, ant holsls its flowers well erect; Mrs. 11. T. Tonses, a fandy captus, erim-
snm with a white stripe, on the same or hor as Kriembilde, excenting a little botter stems, a little freer bloomer and hotter form; Mars, scarlet cactus, lwarf, hranching habit, is a good kiprer. has gool stems, but not quite so long as the two first mentioned. We have no whites in the same class as a rat flower. The next hest would be in tha decorative. Perle a or. In the decorative, wr also have Mrs. Ronsevclt, Anlicate prink; srlyia, a heavior form of Nymphath, therefore will carry much bettor, and is a valuable apquisition. Furekn, a drep rosy; fohn liliteh, dark arimson: T,̧nilhurst, hrightast scarlet; ('lifford W: Pruton, yelhw. Symphas, when well grown, still tho most beantiful and valuable for nowres markets. In show dahlias Thite Dandy and Pink Damity outchasens all others in white amb pink. A. D. Limoni is a close spontid on Pink Trandy, hoing an carly blommer but shomer atoms, amh Ioes not holl up to the samp stambard late in the sason, whereas Pink Danly rotains its full high renter, lona stems, and larger
size until killed down by the frost. Other show dahlias that are especially valuable for cut flowers are Emily, white and rosy lavender; Camellia flora, pure white; Fanny Purchase, pure yellow; Client, bright red; Queen of the Belgians, delicate pink; Purity, pure white; Queen of Yellows and Queen Victoria, yellow; Red Hussar, bright scarlet. In Pompons, Alewine, white snffused pink; Catherine, pure yellow; Sunshine, bright scarlet; Red Piper, crimson sarlet; Snowelad and Alba imbricata, pure white.
L. K. Peacock.

## Bedding.

Although for a number of years carpet bedding has been on the wane the Italian style ot Hower garden so much in evidence makes the demand for the class of plants formerly required for carpet bedding as great as ever, and atter all, it is questionable if the use of dwarf growing foliage aud flowering plants did not look just as well planted on the surface as they do when planted in big holes, as many of the Italian gardens we see are nothing more. Perhaps the lines, minutely and geometrically drawn in carpet bedding gave the alpearance of too much artificiality to the whole, thereby detracting from the natural beauty of the individual plant and this was usually intensified by the necessity of clipping made necessary when the lines had to be kept defined. But even then it will be seen that it was not from want of merit in the material used that made carpet bedding a thing of the past; it was the stifiness and unnaturalness of their arrangement that was responsible for it.

Alternanthera, in its many varieties, planted in masses, each variety by itself, adds brightness and color that few other things can add in so short a tinue. Echeverias also can be advantageously used in many places even where there are no carpet beds. It is true that in recent years planting has been done more with a view to the effects produced by the flowers, rather than the foliage, and the various dwarf begonias, especially of the Vernon type, have given much scope for the development of this idea. Jobelia, too, is now used with more assurance of safety than formerly; both of these are well suiterl where dwarf growing plants are re. guired but where this is not a neressity grorgeous masses of flowers can be hail from the use of tuherous legonias. Be. sides the use of these have also to commend them that they can he kept from var to year with very little troulse, whirh is a consilerable eousideration expecially on places where the glass cor rrid space is limited.
D. M.

## Geraniums Late in Blooming.

## ED. Ameriman Flarist:-

Last spring [ hall a njec lot of large seraniun fulints which did not bloom motil about dnus 15. What shall I do 1. have them in bloom hy May 15?
$\because$ B. T.
We shombl! sity that the reason the gumaliuns w.r" so letl. in roming into Fomm, was that they more over potted sum ham net fillad their puets sufficiently with ronits. In order to ene weraniums 10 hlomm niecly, it is necerssary to time
them properly and it is also necessary to study the different varieties as to the length of time they require to perfect their trusses after potting. Notes made from year to year are the best means of knowing when to pot up for spring sales. There is one thing about growing geraniums that should be noted, viz., after the pots have become filled with roots it is necessary to space them, allowing the air free access around the plants, and then to administer light doses of liquid fertilizer. If extremely fine blooms and trusses are songht for, a half-teaspoonful of Clay's fertilizer applied to the top of the soil of the pots, once a week, will bring gratifying results. E. G. Hill.

## Yucea Filamentosa.

As a stately, noble, hardy flowering plant, that answers the purpose of a most desirable perennial, although it is practically an evergreen, there are indeed few plants that can surpass the baer's grass, or Spanish bayonet, Yucea filamentosa. The accompanying illustration shows what a beautiful garden, or park picture, a bold group of it makes when it is placed against a good background of ornamental trees.

The long lance shaped, sharp pointed, dull green leaves, radiating from the crown of the plant, have pale thread like attachments on their edges. It comes into bloom about the first of July, a time when flowers are not at all abundant. The large, much branched, can-delabra-like panicle, with a central axis, sometimes five to seven feet in height, is thickly set with the creamy white bell shaped flowers, and sometimes they are slightly tinged with green on the outside. The effect of a group of this plant in full bloom on a moonlight night is most entrancing.

Yucea filamentosa is not known in a wild state north of Virginia, but it is perfectly hardy in New York state and without protection. It thrives best in stiff, well drained soil, with full exposure to the sun. It rarely sets or ripens seerls with us, and that is due, we believe, to the alsence of the proper in sects that accomplish the fortilization
of the flowers in the south. Propagation is effected by division of the roots.
Yucea angustifolia from the Mississippi valley, a very neat, but smaller Howering species, blooming a little earlier than the former, has nearly the same degree of hardihood and is well worthy of cultivation.

John Dunbar.

## Law Note.

bUying orchios from illustrations.
The Belgian Tribunal of Commerce is at present sitting in judgment on a case which interests orchid lovers, and particularly English orchid growers, who anxiously await the final decision. An English amateur bought from a firm near Brussels five small plants for 30,000 francs (about $\$ 6,000$ ), which were alleged to be rare varieties of Odontoglossum crispum. The plants were not in flower at the time of purchase, and, according to the general cnstom, the contract was made on the strength of certain water color drawings purporting to be correct reproductions of the five plants when in flower. In due course the plaintiff found that the flowers of the orchids he had bought had none of the superior qualities represented by the water color drawings, which formed the basis of the contract.
The English amateur, through hio counsel (M. Mavrice Frison), asked the tribunal to decree the cancellation of the contract, alleging the non-existence of the rare qualities and the superior points which were asserted to exist by the seller at the time of the purchase. He (the amateur) considers that the orchids sold to hins were not worth a tenth part of the price paid, and alleges that the water color drawings which were submitted to him were not trinthfinl reproductions, but merely fancy pictures.
M. Wauwernans, for the defendant, pleaded that the orchids might have been changed, if not by the plaintiff, at least by one of his staff, and that, under the circumstances, it is impossible to atmit a cancellation of a sale regularly entered into by both parties. -Gardeners' Chronicle.


YUCCA FILAMENTOSA IN HIGHLAND PARK, ROCHESTER, N. Y.


HOUSE OF GENISTAS AT R. DREYER'S, WOODSIDE, N. Y.

## WITH THE GROWERS

## R. Dreyer, Woodside, N. Y.

Great preparations for Easter have been made at the Dreyer establishments at Woodside and Newtown. At the former are several houses of lilies in good shape, and a house of genistas which look particularly promising. While the proprietor is just "betwixt and between" the abandonment of the Woodside houses and the expansion and completion of the Newtown establishment, the Easter trade has been well provided for, and the stock is as large as ever. At the Newtown plant are some fine houses of hydrangeas the full blooming of which for Easter is assured. Ficus elastica is also in excellent shape most of the plants being of "specimen' $q u a l i t y$.

Mr. Dreyer was an early believer in Nephrolepis Scottii, and the stock of this fern is looking excellent. He says its great productive qualities have been well demonstrated in his bouses. Small ferns, and palms of different varieties are to be seen here in fine condition.
John Miesem, of Flushing, L. I., has a large stock of lilies for Easter. He has given particular attention to Lilium gigantemm this season, and judging from the few llowers which have already showu the quality of the growing, he will have a crop of this variety grand in quality. Lilium multiflorum and grandiflorun are also to be seen at this establishment in excellent shape for Easter. Azaleas, spirea, hydrangeas, and some genistas are also in prime condition.
Paul Erummer, of Corona, L. T. will have a large stock of daisies for Easter, and quite a few azaleas.

## A. C. Canfield, Springfield, Ill.

The plant of A. C. Canfield, the only exclusively wholesale greenbonse estabishment in Springfield, is an interesting one. It is all new, covers 46,000 feet of glass with fourteen houses, and is a place of novelties and clever arrangements. One of the Tatter is the use of two large cisterns holding 25,000 to 30,000 gallons each to supply water for
grafted stock, and Mr. Canfield thinks it much better than own root plants. The amount of blooms produced is mar velous. The crop keeps up well all winter. The blooms did not sell well in St. Louis, where novelties, in Mr. Can fieln 's experience, are not very popular, but in Chicago, where red roses were searce, $\$ 1$ a dozen for 12 -inch stemmed stock was easily obtained.

There are three houses of American Beanty and one and nue-half houses of Bride. The other staple roses are grown and Joost, Enchantress, Boston Market and Lawson carnations fill five houses. Nelson Fisher is highly esteemed by Mr. Canfield. Flamingo sells at high prices, 4 cents a bloom being obtained for it in St. Louis when Lawson and Enchan. tress were selling for 3 cents, but last winter the flowers were too searce to make it pay. The first flowers were ol, tained in February.

Sunbird, Marquisce's new yellow, is considered an excellent acquisition by Mr. Canfield. He will not build this spring, he says, as his present plant covers all the available ground. He recently severed his connection with the firm of Brown \& Canfield, which con ducted the principal retail store iu Springfield, in order to devote all his time to the growing end of the business and will aim at bigh quality more than at quantity.
B.

## Hinode Florist Company.

The preprations for Easter business made at the two establishments of the ITinode Florist Company, Woodside and Whitestone, L. I., have resulted in a fine stock. The lily stock aggre. gates about 25,000 pots, and the stock of other seasonable plants is quite generous. Crimson Rambler roses, from crafted stock, are seen at Whitestone in splendil shape. Nome of the bush specimens are among the finest to be seen anywhere. Hylrangeas also look particularly well, and azaleas, genistas, spirea, and bulbons stock are minte tus timony of the care bestowed on them tluring growth. Dwarferl Japanese plants are, of course, in evidence here, and the collection unmbers some fine specimens.


BENCH OF HYDRANGEAS AT R. DREYER'S, WOODSIDE, N. Y.

## Florists' Executive Board Meets.

The annual mecting of the executive board of the Society of American Florists and Ornamental Horticulturists was held at the New Willard hotel, Washington, D. C., on Tuesday, Wednesday and Thursday, April 4, 5, 6, 1905. In the absence of President J. C. Vaughan, Tice-president J. R. Freeman occupied the chair. There were present also expresident Phil. Breitmejer, Treasurer H. B. Beatty, Secretary Wm. J. Stewart; directors, I. M. Altick, Theo. Wirth, W. H. Elliott and E. V. Hallock; ex-presidents, Wm. R. Smith and W. F,
phia, on "Landscape Gardening" or a kindred subject; one on "'Helps to Foriculture in the South and South. west" (not yet assigned), and on "American Bulb Growing," by Prof. A. J. Pieters. In addition, a competition is to be arranged for, and prizes will be offered by Treasurer Beatty for the best essays on the subject of "The Ideal Employer."

BOARD. FAYORS GREATER PUBLICITY.
The consensus of opinion of the board favored a policy of broader publicity in the society's work, closer affiliation with the daily newspapers


HOUSE OF CRIMSON RAMBLER ROSES AT THE HINODE FLORIST COMPANY'S, WHITESTONE, N. J.-See page 531.

Guile; Prof. Galloway of the U. S. Department of Agriculture and Secretary Moseley of the Inter State Commerce conimittee.

## SOCIETY IN PROSpEROUS CONDITION.

The report of the secretary indicated a continuous prosperous condition in all departments and the treasurer's report showed the largest eash balance on hand in the socicty's history. Various committee reports were presented and approved. Prof. Galloway addressed the board on belialf of the Department of Agriculture, offering the cooperation of the department in the arrangments for the entertainment and instruction of the society at the convention next August.

## TO HOLD CONVENTION IN AUGUST.

The program for the eonvention, so far as completed, provides for the customary opening exercises on the afternoon of Theslay, August 15, and president's reception in the evening, Nomination and election of officurs and other routine work of the society will share the morning sessions of Wednesday and Thursday, with several papers () $H$ subjects of intarest, and the even. ingrs of these two days will lee devoted to stereopticon lectures undrar the auspices of the Defartment of Agriculture. Anong the papers presenterd will be oute by Oglesliy l'aul of Philadel.
and for fuller press reports than heretofore, and the dissemination of general horticultural information in every community of the country, particularly through the medium of the public schools. A bronze medal was appropriated to be placed at the disposal of Miss S. B. Sipe for award to the school children of the city of Washington for the encouragement of horticulture.
Favorable action was taken towards the appointment of a committee to report on the feasibility of preparing a concise and practical text-book for use by lonards of education to be disseminated through the various florists, elubs.

The National Rifles Armory on $G$ street, N. W., between 9th and 10th streets, was sclected for the exhibition, the upper and lower halls to be used for this purpose, and the proffer of Carroll hall, adjoining, was accepted for the use of the society for its meetiugs. Should the exhibition overflow the accommodiations in the armory, an additional hall is available in the Masonic building.

A fine special exhibit will be made by the Department of Agriculture, and a silver medal will be offered for the best display of cut flowers in vases. It was voted that the exhibition be allowed to remain open luring the ses. sions of the society, as an experiment.

George H. Cooke, recommended by the Washington Florists' Club, was duly :1ppointed superintendent of the exhibition.

Welnesday afternoon was set apart for the bowling tournament, and Messrs. Phil. Hauswirth and John Westcott were appointed to act with the local sporting committee. The bowling alleys selected are located on 8th and E streets.

## RESOLUTIONS ADOPTED.

The following final resolutions were unanimously adopted:

We, the members of the executive committee of the society of American Florists and Ornamental Horticulturists, in meeting assembled, regret the circumstances that have made necessary the absence of our president, J. C. Vaughan, and that we could not avail ourselves of his experience and wisdom in the deliberations of this committee.

We wish to state, however, that his place was most ably and satisfactorily filled by our vice-president, J. R. Freeman, and we hereby wish to express to him our appreciation of his many kindnesses while in and out of the chair.

TVe wish to extend our heartfelt thanlss to each and every member of the Washington Florists' Club, and especially to the accomplished president, W. F. Gude, for their untiring kindness and courtesies, and particularly for the delightful entertainment with its most beautiful decorations.

And further, to the management of the New Willard hotel for their courtesies, and to the daily press for their full and accurate reports of our meetings.

Finally, the committee is greatly impressed with the great work the Hon. James Wilson, Secretary of Agriculture, is doing along all the lines of horticulture and the willingness of this department to co-operate with this society in every possible manner; and for the individual interest shown by Prof. B. T. Galloway during our stay.

War. J. Stewart, Sec'y.

## Illinois State Florists' Association.

An important victory for florists of Illinois was won by L. Coatsworth, P. J. Foley and James Hartshorne before the appropriation committee of the state honse of representatives at Springfield, Ill., April 12. The bill recognizing the Illinois State Florists* Association, and providing that the experiment station of the university at Champaign should begin an investigation of the best methods of growing greenhouse flowers and vegetables, beating and constructing greenhouses, and growing ornamental outdoor plants, the cause and cure of fungous diseases, tho methods of killing insects that attack these plants, etc., was reported to the house, with the recommendation that it pass. The amount of the appropriation was cut from $\$ 30,000$ to $\$ 15$,$000, \$ 10,000$ being provided for the first year and $\$ 5,000$ for the next, instead of $\$ 20,000$ and $\$ 10,000$ respect. ively. This is not considered a great reduction, however, when compared with the treatment other requests for appropriations have received at the hands of this committee, which is establishing a record for economy.

Mr. Foley made a speech which con.
vinced the members that the cause of the forists was meritorious and that they needed help such as the state scientific department was extending to farmers and horticulturists. The action of other states in extending this aid to florists was pointed out and the prediction made that more scientific methads of growing would decrease the retail price of flowers. The bill now must pass the house, which it will do with little trouble, having the committee's approval, and then get through the senate, where it will have to undergo the scrutiny of another committee. The feeling there, however, seems to be favorable.
B.

## The White Fly.

Ed. American Florist:-
With regard to the white fly I wish to state that we have had some trouble with it on tomatoes under glass. I did not care to use hydrocyanic acid gas, so used ivory soap. I used two pounds of soap to twelve gallons of water dissolved by steam and applied while lukewarm with a powerful handpump and Stott nozzle in the afternoon. The result was a total extermination of the fly and a slight damage and check to the tomato plants, which were rather soft. The tomato plants have recovered aicely and the fly is not to be seen. This after thirty days. I also noticed that a good hoseman can keep the fly at bay; they dislike forceful water about as much as the mealy bug. I think onehalf pound of the above soap would have done as well and saved all the foliage.

Fred Windmiller.
[The Burcau of Entomology of the United States Department of Agriculture recommends hydrocyanic acid gas, but where the use of this is impossible or for some reason undesirable, sprays are recommended as follows: "Amang the sprays, the best brands of whale-oil soap, used in the proportion of one to one and one-half ounces per gallon of water, have been found to destroy all of the white flies except the cggs, a small percentage of the nearly mature pupæ, and from twenty-five to fifty per cent of the adults which escape the spray by flying from the plants. It is not advisable to syringe tomato plants in greenhonses at any time, when avoidable, as syringing interferes with pollination and produces a damp atmosphere which promotes rot, but the injury by syringing may be as nothing compared with that which is caused daily by the insects. When the use of hydrocyanic acid gas is impractieal, an all-night fumigation with a tobacco extract is recommended, followed during the next day by a syringing with a solution of whale-oil soap or its equivalent." Ed.]

## Good Plants For Shady Places.

Ed. American Florist:-
What is the best annual or perennial to plant on the northwest side of house where there is not much sun? What is the best climbing annual to sow to cover a picket fence situation with plenty of sun?

Subscriber.
Calendulas grow and flower in shady situations better than any other annuals I know. Calendulas are very easily grown; the seed can be sown in the open ground in the spring, where the plants are to remain and they will bloom very
early in the summer and continue in bloom until frost sets in. The calendulas vary in color from ivory to the decpest orange. The two best varieties are Calendula grandifora sulphuria and C. Ranunculoides. In perennials for shady places there is more room for choice than in annuals, and of the following three it is hard to say which would give the greater satisfaction not knowing the extent of the intended planting: Aquilcgia (columbine mixed varieties), Spiræa filipendula, white, S. palmata, rose, and Anemone Pennsylvanica. The latter flowers from Junc until August and for that reason, together with the ease with which it can be grown, I would prefer it before the others.
Convolvulus, (morning glory), is a very good annual for covering a fence and is of more rapid growth than anything else, but if the fence is only an ordinary picket fenec tall nasturtiums would probably be more satisfactory because of the brightness of their flowers. Beside these two there is another beau. tiful climbing plant, Cobæa scandens, though not an annual strictly speaking. Neverthelcss if a greenhouse or hotbed is available for starting the secals, which ouglit to be placed edgeways and merely covered with soil, this is one of the most beatiful climbers and exccedingly well suited for covering fences.

David McIntosh.

## Æsculus Parviflora.

The accompanying illustration shows well the extrenc bcauty of the flower and foliage of this most desirable shrub. That it is a desirable subject is testified by everyone who has seen a good

August. It is also known under the names of Pavia macrostachya and $P$ alba. It is of comparatively easy culture, thriving best in a good deep, moist loam. It is also perfectly hardy in this section.
Long Island, N. Y. W. H. Waite.

## Catalogues Received.

Lager \& Hurrell, Summit, N. J., orchids; Morrisville Nursery, Morrisville, Pa., ornamental trees and shrubs; George H. Peterson, Paterson, N. J., roses, hedge plants, etc.; East Bridgewater Dahlia Gardens, East Bridgewater, Mass., dahlias: C. Frets \& Sons, Boskoop, Holland, nursery stock; Bay State Nurseries, North Abington, Mass., herbaceous perennials and nursery stock; C. Petrick, Gheut, Belgium, plants; Sackett Brothers Nurseries, Lebanon Springs, N. Y., nursery stock; George Egger, Jaffa, Palestine, flower bulbs and roots; The Donaldson Com* pany, Warsaw, Ky., mursery stock; Perry's Hardy Plant Farm, Winchmore Hill, London, N., Eng., hardy plants, aquatics, ete.; Kroeschell Brothers Company, Chicago, greenhouse boilers; Harlan P. Kelsey, Boston, Mass., hardy American plants; The Munson Greenhouses, Denison, Tex., greenhouse and bedding plants; Wagner Park Conservatories, Silney, O., landscape architecture, plants, ete.; The William Scott Company, Corfu, N. Y., chrysanthcmums; Leesley Brothers Nursery, Chicago, nursery stock; Petersou Nursery, CLicago, nursery stock; Joseph Bancroft \& Son, Cedar Falls, Ta., seeds and plants; New Haven Nurseries, New IIaren, Mo., nursery stock; The Collegeville Green-


ASCULUS PARVIFLORA.
speeimen in flower. For grouping in shrubberies it is very effective, but it is seen at its best when planted on a lawn where it can develop equally on all sides.

Asculus parvifiora is a native of the southern states and flowers in July and
houses, Collegeville, Pa., vegetable sceds; Spruyt \& Company Ctrecht, Netherlands, vegetable, agricultural sceds, etc.; Raynitird \& Company, Ltd., Basingstoke, Eng., seed corn, farm secds, etc.; Frank Kallec, Chicago, hardy plants, scels, bulbs, etc.

## Easter Stock at Philadelphia.

Godfrey Aschmann in his nursery, built as they do them in Ghent, surrounted on all sides by dwellings, has a splendid lot of Easter stock of the staudard sorts that everybody wants. His leader is azaleas and the variety Mnse. Van der Cruyssen. It would be hard to fiud a prettier lot of mediuns sizel plants than are to be seen here. They are just right in point of time. Two houses of hydrangea, mostly Otaksa, are also in fine condition. A house of cincrarias is very showy, the strains being the best inported seed. They shoult sell ou sight. There is also a large block of spirea well set with spikes of bloom. Out in the frames are to be seen thousands of daffodils and hyacinths, the latter from selected bulbs.
In addition to the Easter stock every nook and corner is filled with young stock waiting for room to expand in a week or two into salable sizes. Moon flowers are a specialty and are handled by the thousand. Geraniums, salvias, hegonias, are other leaders and are grown in quautity. Last summer a number of the houses were torn down ami replaced by more modern structures of Lord \& Burnham material. Three thousand arauearias will arrive from abroad in May. These with kentias also imported kecp the room filled up during the summer. A new delivery wagon right up to date in every respect, decorated on each side with pictures of azaleas aud araucarias, is the latest acquisition and has a new house all to itself. In July Mr. Aschmann starts on his annual tour to Europe, all his stock being personally selected.
Wh. Meckey offers hydrangeas, laisies and genistas. large blocks of each. He grows all he has rwom for, filling five large houses, and never has enough. The stock is very popular, being all in 6 -inch pots and as alike as peas in a pod. Thousands of pot roses fill the houses immeliately after Easter. One wonders where they come from, but Mr. Meckey lass a way of storing them in collo lumses that works, as the plants ard etways just right when the demand is greatest.
Gearge Auderson has his usual fine stock of longiflorums and offers nothing elsw, but these will keef him busy. His manle up stock is very fine, in fact, the hest we have seen.
Robert Scott \& Son at Sharon Hill show the visitnr a house of Ramblers in fine form, leing exceptionally well lomdel and tied dorm so as to present a mass of color. Five thousamed pots of Easter lilies well grown in every mupect are a sight. It will eertainly task the transportation facilities of the rut: iblichment to mbliwe them. A lot if spirea ami plants of garlenia comfhen the assurtmont. These latter are finn and the ouly storle of the kind in

Hflosh is strong in daisies,

towk. A house of Jaeque
in fur rutting. There are Cimans in deporative palms.
(imham Company at Lugan
thing hy tha thonsaml.
is azalwas, of which they
Whatsand Danth. Threw
ine stock is Mme. Van der
-1ly in sizes ranging from
*2, lut some large spreci-
mens marked $\$ 15$ are the finest we have ever seen. There are also some ten thousand lilies, a very elean and even lot. Spirea is also seen in quantity, the variety Superba, which we think is the best. 1t certainly is pretty but grows very tall. A house of Brunner in boxes for cutting look to be just right. This is grand stock and has the field to itself. There are quantities of hyacinths from fine size lualbs, named varieties, very choice stock, and timed to the day.

Wm. Smith has some fine large azaleas a little above the average. They have sold well. His stock of lilies is good, though short, and there is also a goodly assortment of bulbous stock.
J. Coles is prouct of his geraniums and heliotrope; he also offers lilies and a lot of neat azaleas, medium sizes.

Griffin Brothers, of Frankford, say they have azaleas and lilies and have them nice, while J. Koehler \& Son offered a varied stack of lilies, hydrangeas, spireas, cinerarias and bulbous stock. K。


Floral Lighthouse at the Los Angeles Floral Festival.-See page 535.
A. Good Railroad Gardening Sclieme.

The floral department of the Canalian l'arific railway is issuing attractivo follers enotaining, with the gen(rat] information given, the following wrintum": "We liave conlucted the flower seheme for seven years. This sprine there will be at least a million falips, cromuses and mareissus at the slations unross Canadn, to hrighten, bwatify and make home-like your "nviromments."
Perhaps there is no other department of the Canalian lacific railway which
has enlarged so rapidly as the floral, which is under the direction of N. Stewart Dunlop, tax and insurance commissioner of the company. Last autumn it sent bulbs to station agents, section men and other employes, from oue end of the system to the other. Some were for outdoor planting, and are expected to bloom this spring; others were for pots and boxes indoors, that they might bloom during the past winter. As a result of this generous distribution, there will be one million tulips, etc., flowering along the system this spring. Before the department was established, the only flowers and plants along the company's various lines were those planted and cultivated at the expense of those agents who wished them for their own enjoyment. Now the company bears all expense in connection with the purchase of thousands of the best bulbs procurable, and not only sends them to every employe who wishes them, but also issues fold ers giving information. In addition to this, seeds are sent every spring to employes along the system who have exhibited an interest in flower culture. For this year the money appropriation made by the company to its floral department is almost double that of last year, so that the coming summer should see the stations on the Canadian Pacific railway more attractive than ever.

The seeds-numbering over 25,000 packages-are being sent out now, and include as fine a collection as any gar dener of the most refined taste could wish. Mr. Dunlop, to whose energies and fondness for flowers the success of the department is due, tells those to whom his circulars are sent to surround their station, section bouse or office building with pretty flowers, so that not only the employes may enjoy the fragrance and brilliancy of the blooms, but that passengers on entering sta tions from Vancouver to St . John may be welcomed by the beanty of flowers -London (Ont.) Advertiser.

## Prize for Botanical Composition.

The Frankfort Nems states that the prize founded in honor of the celebrated Geneva family of botanists, De Candolle, is now offered by the physies and natural history society, of Geneva, Switzerland. The subject will always be a description of a species or family of plants. Members of the society are not permitted to compete, and limitations as to nationality are not made. The essays may be written in Latin, German, French, English, or Italian, and must be transmitted to the presi dent of the society before January 16 1906.

## Working for the Other Fellow.

I happen to think of a friend on the road who frequently says that as long as you are working for the other fellow you might as well make up your mind to do the work as the other fellow wants it done. Of course if you do not want to do things that way you have the American privilege of quitting the job. But after you quit a few times you begin to find jobs scarce, and you also find there are some disagreeable features in al of them. Then it is tlme to make up your mind that the successful man must he patien in many things and that threatening to resign is a poor bluff to make. If you think that any feature of the system is wrong, present your argument every time. The manager whl always listen to reason. If he does letin.


FLORAL DESIGNS FOR THE FUNERAL OF THE MEXICAN AMBASSADOR, WASHINGTON, D. C., MARCH 28.
(.J. H. suall d hins, Washington, D. C., artists.)

## THE RETAIL TRADE

The violets, fair and shyly hid,
Beneath our wandering feet we'll crunch, We do not prize them as we did When they were 50 cents a bunch.

## Novelties front

Place your surplus lines attractively
Route and eheck up your deliveries ahead.

Not so strenuous as to be curt to your customers.

Newness and beauty are keynotes of Easter. Dress your show in original style.

Neat packages and despatch combine to make fair flowers acceptable and fine flowers irresistible.

You will see or hear from all at Easter. Thank your steady patrons and solicit regular orders from the ehance ones.

## Los Angeles Floral Festival.

The Los Angeles floral festival, which lasted March 28 to 31 inclusive, was ereated for the benefit of the Temple church and was mainly an amatenr and advertising affair. Our illustration of a floral lighthouse shows one of the best features. This was made by the Vawter company and contained 40,000 earnation blooms. The only other notable feature was the background of the platform, which was entirely decorated with calla blooms, perhaps 5,000 in number. The plant department of the Germain

Seed Company made a display of araucarias and feras. Considering the very mediocre nature of the exhibits outside of those mentioned, the show was well attended. It would seem best when floral festivals are so strongly exploited as this was to the public that the professional florists and nurserymen, or officers of the local society, take hold and see that a creditable display is made. Otherwise the public will resent the humbug.

Paul De Longpre, now at Hollywood, Cal., the floral painter, exhibited it dezen beautiful specimens of his mork. He is no doubt the greatest living llower painter.

## Standing Wreaths.

The standing wreaths bere shown were executed by J. H. Small \& Sons for the funeral of Senor Don Manuel de Azpiroz, the Mexican ambassador to the United States. Orehids, roses, Harrisii lilies and lily of the valley, with palm leaves, were used in their composition. The wreaths were of extra large size and were from four to five feet in height.
S. E.

Cherenne, Wro.-The annual meeting ot the stockholders of the Frontier Park Association will be held at the oflice of the company in Cheyenne, April 2 , at 3 p . m.

Nortil Brookfield, Mass.-Robert Miller, recently of Butte, Mont., has leased the E. A. Lamfrey plant, which heretofore was used for foreing cuemmbers, and will devote it to rose growing.

## New York

## MAREET IS STRONGER

Last Saturday and Mondar the market rallied eonsiderably, and values in some lines increased. On Tuesday there was a little reaction, but on the whole the market may now at mid-week be said to be stronger and its trend upwark. Demand is still away below the normal for this time of year, but some comfort is taken from the fact that it is better than for three or four weeks. Roses were first to show signs of recovery, and special Bride and Bridesmain? have moved up a point or two. American Beauty still lags somewhat, but are moving better in comparison with the business of a week ago. Carnations are not faring so well, and prices are unimproved. The influx is still heavy, and while a shortage in eut is expected there are no immediate signs of it. Bulbous stock contimues pleutiful and the quality in a general way is very good. Tulips are particularly fine. Daffodils are not bringing mach, the shipments from the south being large, and hard to elear. Violets are shortening up, but arrivals do not move casily, ant prices are tho same as quoted a meek ago. Lilies are plentiful, and when of good quality command a respectable figure. Callas are profuse, and lower grades hard to clear. For good stock as high as a dollar a dozen is obtained. Pansies are plentiful, but are not taken so freely and fair stock is bringing as low as a dozen bunches for a quarter. Orchids move well, and the market is not orer eromided with them. Cattleyas command as high as $\$ 60$ per buadred.

Sweet peas are plentiful and it must be very fine stock to bring more than 75 cents leer dozen. Smilax is in good demand and sells well at quoted prices. Asparagus plumosus also is taken freely. Of this quite a lot is coming from Florida in good quality and condition. The Easter problem is on everyone's tongue, and the belief is general, that cut steck will shorten up in time, and potted stack will not be too plentiful.

The market, April 1?.-The market is very slow, showing no improvement. Notes.
Wm. H. Siebrecht is handling some well flotered magnolia branches.

Wm. Engreen, of Aqueduct, is building three new Dietsch greenheuses.

Reeent openings now make a total of thirty-five florists in thirty contin. qous Breadway blocks.

Wm. Ghormley has completed his preparations for Easter and will have his growers" "best" in all lines for the holiday season.

The American Institute of New York annouyces that the annual dahlia show will be held September 27 and 28, and the chrysanthemum show October 31 to November 3.

John Gunther is again at his desk in the office of his brother, Wm. H. Gunther, the 29th street whelesale florist, and has completely recevered from his recent attack of typhoid.

Retail florists ' windows are taking on an Easter appearance. The banking of flowering plants seems to be a popular scheme, genistas in some cases, and azaleas in others, being favored plants.

Traendly \& Schenck are getting their 28 th street store in readiness for their big stock of Easter goods. They will, as usual, be well prepared for any legitimate demand that may be made of them.

The sinking fund commissioners have authorized the eommissioner of street eleaning to allow flewer dealers to use the spare space in the old Clinton market in the early morning hours during the spring.

Jos. S. Fearich, the 30 th street wholesale florist, was married April 5 to Miss Mollie Le Moult, daughter of A. Le Moult, the Bowery florist, and is receiving the congratulations of his friends in the trade.

The beautiful specimens of the Crimson Rambler rose exhibited at the New York Florists' Club on Monday evening were on view afterwards in the windew of John Young's store and were a great attraction to passers-ly.

At the meeting of the New York Florists' Club Monday evening J. B. Nugent, Jr., chairman of the house eommittee, again gave an object lesson in carving, the company getting liberal cuts of a fine hot hird in record time.

Dr. N. L. Britton, president of the horticultural section of the American Institute of New York, lectured Wedneshay evening at the institute. The lecture titie was, "An Evening with Cacti," and lantern slides were userl in jllustration.
licel \& lieller will in the future manafacture thrir own metal wreaths, having recently lought the machinery and auxiliaries of the florists' supply portiun of the business of lirank Netchert. The firm now mannfarture their own wirf Work, hasket work and metal work, and clitm they are tho enly firm doing this.
H. C. Steinhoff, of West Hoboken, N. J., has some grand plants of metrosideros, bottle brush, for his Easter trade. His lilies are just right for Easter, as also are his azaleas, having an ample steck of both. His trained Crimson Rambler roses, of whieh he has a big stock, are in the pink of eondition for the holiday trade. He reports Easter bookings very heavy.

At the establishment of W. Kellog, in Asteria, L. I., the Bertha Rath white earnation is the prineipal attraction. There is a large heuse full of this variety, which, however, owing to a prolonged seasen of cutting, is not looking its best just now. Sufficient is to be seen to show its free blooming qualities, and the regularity of its beautiful snow white bleoms. A great many euttings are being taken from the plants in preparation for its dissemination in the near future. In the other heuses the stock is of a miscellaneous character, including small ferns, fuchsias in some quantity, three houses of Easter lilies, and a geod stock of coleus, among it some beautiful new varieties.

## Philadelphia.

Market conditions are much the same as last week except that the immense shipments of southern daffodils have almost ceased. Some of the later varieties will continue for a time but the glut is over. There are still a good many of the imported stocks in the hands of the grewers which the cool weather of the past week will enable them to held until Easter. Two weeks ago the bulbous stock looked likely to show a serious loss, as it was thought impossible to hold it, but it has moved so slowly lately that the growers say they can control it even it it should get warm.
Beauty are not running very good, there being a great many ragged flowers and deformed buds that don't open. Prices the same as last week. Maid, Bride and Liberty are eutting fine, as is also Golden Gate, which is now at its best.
There are a few Jacqueminot about, really good stock, but it has trouble to hold its own with the Liberty; $\$ 12$ is asked for the best.
Carnations are a little on the wane with prices the same as a week ago. Lawson are showing the effects of too much sun, being in many cases badly bleached. Violets are going fast, the single stock being now very small. There is likely to be nething but doubles for Easter, and these away below the standard.
The Easter stock is very interesting at this time. The dealers are busy at the greenhouses selecting the balanee of their stock and watehing the progress of that already ordered. Prices are about the same as last season, lilies ranging from 8 to 12 eents per bud; spirea $\$ 3, \$ 4, \$ 5$, $\$ 6$ per dozen, and some special marle up plants at $\$ 1$ te \$2 each. Hydrangeas from $\$ 3$ to $\$ 12$ per dozen, anl larger stock up to $\$ 2.50$ to \$3 each. Azaleas at all prices from 75 ecents to $\$ 15$. Mme. Van der Cruyssen, the most popular variety, is to be had in quantity, in fact most all stocks are at least half of this kind. Rambler roses are lime everywhere, and all other lines of stock scem quite up to the best standard of previous years.

## club meeting.

The principal topic at the April meeting of the Florists' Club was the Dorothy Faust chrysanthemum. A gentleman said he could prove that it was eertainly McArthur and Wm. Leroig, who is handling the stock, thought the Florists. Club should take action, but this, after considerable discussion, was thought not to be the province of the elub, so the matter was dropped. The members, however, who were familiar with Mr. Faust's flower as it is known here were loud in its praises as being by far the best late white. Some who had known the McArthur said that it shook its petals very easily, for which fault it had leng age been discarded, while Dorothy Faust was a splendid keeper and a first class shipping flower, which after all is the greatest test.

The Case discussion did net take place, as the essayist failed to be present. Arrangements were made for a eommittee to set in motion the selection of a bowling team to represent the club at Washington. This committee will meet soon and submit plans which it is heped will bring the best men to the front.

## NOTES OF THE TRADE.

Harry Faust says he is everrun with letters about his new chrysanthemum.

The Lee Niessen Company are making great preparations for Easter, which they expect will be a record breaker with them. They will have an espeeially fine lot of cut lilies and are already booking large orders.

At the market Manager Meehan says the outloek is fine and they eonfidently expect a large business, their growers reporting a fine stock with longiflerum, ealla lilies and carnations as leaders.
"'Keep your eye on us," says Manager Muth of the Philadelphia Cut Flewer Company. "TVe will have double the steck of last season and already have orders for much of it.'"
H. Bayersderfer is too busy to talk much these days, but he is great on getting orders. The stack here is tremendous and so varied that the visitor is constantly running up against something that just fills the bill and in consequence gets on that very neeessary sheet.
Berger \& Company are handling the stock of the Philadelphia Carnation Company, who are alse cutting some extra fine sweet peas. The eut from this place at Easter will be very large.

The Philadelphia Cut Flower Company is receiving some fine Asparagus plumosus from Florida. R. C. Hayden, seeretary and treasurer of the eompany, has recovered from his recent illness sufficiently to appear at his desk the major part of the week. Manager Wm. J. Muth is enthusiastic as regards Easter trade and says the company will have some very fine stock to effer.

上.

## Baltimore.

## Weather controls market.

In the past week there has been a very eonsiderable velume of trade done in cut flowers, but the supply was so much greater than the demand that the market was never cleared completely out. The town is full of jonquils, daf. fodils and narcissus from the south, and every theroughfare and by-way is filled with the itinerant venders erying these beantiful but too abundant blooms.

Then came a sudden setback, and for three days we went back to winter, with a great drop in temperature, killing frosts, and a whirl of snow. This was not bad for the eastern stuff, which is coming along at a gallop, but it lightened the supply, and as the new week opens there is more inquiry than can be met. Carnations continue in good request and there is an abundance of them; violets are practically over, and such as come in are so poor as to be practically worthless. A good many lilies, not of the best quality, are being marketed, but the consensus of opinion is that they will be quite short before the holiday requirements are on us. This is true also of azaleas, very largely so of hyacinths; and if, as is naturally now to be expected, there follows this cool snap an interval of high temperature, all the stuff for Easter will be so unduly advanced that it will be difficult to meet seasonable needs. Out of-door stufi is coming, too, at a rapid pace.

## notes.

One Charles street store reports fifteen bulb and nursery men from Holland and Belgium calling in a week. There has been a good deal of dissatisfaction, it is reported, with the qual ity of bulbous stuff supplied this market, and it is questionable whether orders will loe as large as in previous years, but our visitors are some of them, perhaps, as much concerned about collection of old scores as they are to secure new orders.

The auction sales of imported stuff have begun, and considerable quantities are gotten off, many of the pur chasers having only the haziest ideas of the material they are securing and the treatment it needs.

Other inarbingers of spring are our friends from across the great waters, who have already "arrived" in num. bers.
S. B.

## Cleveland, 0

tile versus mood benches.
A keen interest in everything pertaining to benches and bench material for greenhouses led the writer to pay a visit to the carnation establishment of Bate Brothers, East Cleveland, O., to inspect their new tile bench, the inventor of which is the senior member of the firm, Mr. Guy Bate. The new system of benching was installed in a couple of houses late last fall and planted to carnations. Wood benches were planted at the same time to afford a comparison, the benches in each case being planted at the same time, October 25 . The plants were rather small and had been frozen several times in the field before being beached. The firm always had an idea that tilo benches would prove superior in every way for carnations, and the result in favor of their tile bench has exceeded their most sanguine expectations. The plants in tile benches show a marked difference over the others, in vigor of growth and productiveness. The claim is put forth that the flowers mature more quickly on the tile bench than on wood, as the following comparison evidently shows: From 2,000 plants planted ou tile benches 11,750 flowers were cut from November 1 to April 1. From the same amount planted on wood benches 6,300 Howers were cut in the same time Two thousand plants planted on wood
benches August I yielded 10,000 flowers up until April 1. From these comparisons it is easily seen the tile bench ment ahead of the others. No doubt if the plants were "set in"' in Angust and in good shape the yield would be enormous. The varieties used in each case were Joost. The great advantage in the tile bench is its practically everlasting qualities. The firm are receiving several large orders for the bench through the Cleveland Cut Flower Company, of which they are members.

## NOTES.

Busincss has picked up slightly the past week, carnations are getting scarcer and prices have gone up a notch. Roses remain about the same, but a scarcity is looked for around Easter. From the present outlook there will be lots of bulb stock and pot plants. The Cleveland Cut Flower Company are handling an extra fine line of pansies and sweet peas.

Smith \& Fetters had their grand opening on Monday, April 10, in their new store, I69 Euclid avenue, and the display was magnificent. They certainly have one of the most beautiful and artistically arranged flower establishments in the country.

The Ohio Floral Company, Edmond Rudersdorf, manager, is sending in some choice American Beauty; their Bride and Maid are extra fine, too.

George Bate is wearing a smile. It's the first and a girl.

Visitor: Ed. Fancourt, of S. S. Pennock's, Philadelphia, Pa.

Есно.

## Washington, D. C

A cool wave having reached us, indications are that much more stock will be saved for Easter than was anticipated during the warm spell of last month. The retail market braced up considerably during the past week, there being a number of social events that called for decorations, a large amount of funeral work and a brisk counter trade on Saturday.

EXECUTIVE COMMITTEE, S. A. F.
The presence of the gentlemen of the executive committee of the Society of American Florists created a pleasant zephyr of intercst among the local craftsmen. In these days of ennui, spring fever and other scasonable ailments which are epidemic along the Potomae, the coming of such bright and breezy men as Beatty, Breitmeycr, Stewart and Altick; of Elliott, Hallock and Wirth, was as showers to the parched land.

TIIE BAN゙QUET,
On the night of April 5 , the visiting members of the executive committee were the guests of honor at a banquet given by the Washington Florists' Club in the banquet hall of the New Willard hotel. Vice-presilent Freeman of the S. A. F. was toastmaster, and seated at his right was ex-Pres. Breitmeyer; at his left Prof. Gallomay, chief of the bureau of plant industry, U. S. Department of Agriculture. Among others present were President W. F. Gude and Vice-President Henlock of the Florists, Club; W. R. Smith, superinteadent U. S. botanic gardens; E. A. Mosley, secretary interstate commerce commission; George C. Shafter, Peter Bisset, Charles McCauley, Duncan Finlayson, A. F.

Faulkner, John Robertson, Joseph Free. man, Jr., Lewis Freeman, F. B. Foote. John Hammer and J. A. Philipps. After good progress had been made with the menu, which was up to the high standard which has made the name of the Willard a synonym for good living, speaking began. Happy and appropriate responses were made to the calls of Toastmaster Freeman by Messrs. Breitmeycr, Elliott, Altick, Beatty, Stewart, Hallock and Wirth; and by Prof. Galloway, N. H. Smith, W. F. Gude, E. A. Mosley, D. Finlayson and others.

The members of the committee spoke feelingly of their reception by the Washington florists.

The venerable W. R. Smith extolled the dignity of the craft and said that the florists were missionaries for the uplifting of mankind. Prof. Galloway farcred the cultivation of a taste for flowers among children and made modest mention of some of the things his bureau is doing. Among the last though not the least of the speakers was E. A. Mosley, who is well qualified to discourse on rates and kindred topics.

The decoration, by J. H. Small \& Sons, was a handsome affair, the center. piece being of Tom Field roses with a wreath of Bridesmaid and other roses in vases and Prosperity carnations on the cloth. Though prevented from attending the banquet by a previous engagement, J. H. Small, Jr., said that he would feel it a pleasure and a privilege to furnish the decoration. The evening's enjoyment was closed with the singing of "Auld Lang Syne."

Little, but oh my, is the impression left by Treasurer Beatty. On the day spent by the committee in vicwing the halls for the purpose of selecting a meeting place for the convention, he gave an claborate luncheon at the New Willard to the members of the party. Much regret was expressed at the absence of President Vaughan.

Though Vice-President Freeman denies the soft impeachment, he seems to have had large experience as a toastmaster.

## florists' Club meeting.

The regnlar monthly meeting of the Florists' Club was held on the night of April 4. There was a good attendance and a number of new members were admitted. Considerable business of a rontine nature was transacted and plans were perfected for the entertainment of the members of the executive commit tee.

## notes.

Clarke Brothers have a house of fine Carnot roses coming in for Easter.

Minder Brothers have a nice stock of lilies and hydrangeas.

Hammer \& Sons have put in a new hoiler to furnish power for their pot tery works. They have good Easter stocks in lilac and spirea and a large stock of bedding plants.

George C. Shaffer has been quite busy with table decorations and funeral work anll is carrying a fine stock of cut Howers.
J. D. Blackistone has just returned from New York, where he went to purchase Easter stock.

The selection of George H. Cooke for superintendent of the convention exhibit gives general satisfaction.
S. E.

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If you are not interested in a general line of Hardy Perennials, but have use for summer cut fowers your grounds.
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2.0015 .00 Boltonia Latisquama, 4-in. pots............ 2. $_{55} \quad 6.00$ "ompanule Moeheimi, 3-in. pots.
756.00 pyramidalis, strong 1 clumps.
1.008 .00 $\begin{array}{llll}\text { Caryopteris Mastacantha, } \\ \text { 3.in. pots..... } & 75 & 6.00\end{array}$ Cbrysanthemum Shasta Daisy, 2y-in. Chrssanthemum Maximum Triumph Cimicifuga Simplex (rare) strong plants Ciematis Recta, strong 2 year old....... 1.5012 .00 Coreopsis Lanceolnta, heavy 4 -in. pots..
Delphinium Formosum, strong 4 -in. pots Delphinium. Formosum, strong 4-in. pots Belladonia (rare) very iree
flowering................ Dianthus Latifolius Atrococcineus, $\sim$.
inch pots...............................
2.5020 .00 Doronicum Austriacum, 3-iv. pots. $\begin{array}{ll}60 & 4.00 \\ 75 & 6.00\end{array}$
 Erigeron Coeruleus Grandiflorus, 3 -in Eupat- Ti m Ageratoides, 4 -in. pots. Feverfew Little Gem ${ }^{\text {Cos }}$, 3 -in. pot.s.. Funkia Subcordata Alba, 4-in. pots.. Gaillardia Grandiflora, heavy 4-inpots. Gypsophila Paniculata, strong 1 year Helenium Autumale Superba, 4-in. Pumi
1.008 .00 $\begin{array}{ll}1.5 & 8.00 \\ 75 & 6.00\end{array}$ T5 6.00 604.00 $\begin{array}{ll}.00 & 8.00 \\ 75 & 6.00\end{array}$ $75 \quad 6.00$ $75 \quad 6.00$ $75 \quad 6.00$ " Magnificum, 3-in. Helianthus Multiflorus Fl. Pl., strong. "Maximus, strong
Maximiliana, strong.......
Meteor, strong...........
Soleil d'Or, strong........ Wolley Dod stroug. $1.25 \quad 10.00$ $\begin{array}{cc}.25 & 10.00 \\ 75 & 6.00\end{array}$ Heliopsis Pitcherianus, 4-in. pot 1.008 .03

Heliopsis Scater hiajor 4 -in , separate colors........................ 1.2510 .00 Hollyhocks, Dreer Superb" Double in IIy ehoricum mixture.......................... 1 . Iberis Sempervirens, 3-in. pots.......... Iris Kaempferi, 24 choice named var. $15 \quad 6.00$ $\begin{array}{lllll}\text { " } & \text { "A } & \text { fnest mixed........... } & 1.00 & 8.00 \\ \text { " } & \text { Germanica, } 12 \text { choicaname var... } & 75 & 6.00\end{array}$ Lobelia Cardinalis flae mixed............. $50 \quad 4.00$ | Lychais Chalcedonica, strong 3 -in pts. | 75 | 6,00 |
| :--- | :--- | :--- | :--- |
| 600 |  |  |




Spiræa Ulmaria, strong 4-in. pots...... $\begin{gathered}\text { Per doz. } \\ 75 \\ \$ 8.100 \\ 6.100\end{gathered}$ $\begin{array}{llll} & f l . p l \text {, strong } 4 \text {-in. pts. } & 75 & 6.00\end{array}$ Statice Eximia, strong 3-in. pots....... $75 \quad 6.00$ Gmelini, strong 3-in. pots....... $\quad 75 \quad 6.00$ Stokesia Cyanea, strong 3-in. pots...... $1.00 \quad 5.00$ Sweet Williams, strong 4-in. pots...... $60 \quad 4.00$ Thalictrum squarge clumps.......... 6.00
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Tritoma Pftzerii, strong per $1000 \$ 50.00 \quad 1.00 \quad 6.00$
rritoma Pftzeril,strong per 1000 \$50.00 $1.00 \quad 6.00$ Macowanl: " $4 \quad$ " $\quad 7.001 .00 \quad 8.00$ Uparia Gra'diflora, str'ng
Valeriana per 1000....................00.00 $1.00 \quad 8.00$ $\begin{array}{cccc}\text { " } \text { albs, } 4 \text {-in. pots... } & 1.00 & 8.00 \\ \text { Officinalis, } 4 \text {-in. pots........ } & 1.00 & 8.00\end{array}$
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## THIS ISSUE 88 PAGES WITH COVERS.

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- l'rices of indonr vegetab
- Notes and suggestions.

Dahlias ....
Hedding
tiot avenues, Wednesday, April 19, at 8 p. m.
Hamilton, Ont.-Hamilton Gardeners' and Florists' Club, office of member, Tuesday, April 18, at $8 \mathrm{p} . \mathrm{m}$.
Manchester, Mass.-North Shore Hor ticultural Society, Friday, April 21.
Montreal, Que.-Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, Monday, April 17.

New Haven, Conn.-New Haven County Horticultural Society, Tuesday, April 18.

New London, Conn.-Eastern Connecticut Horticultural Society, Tuesday, April 18.

Newport, R. I.-Newport Horticul tural Society, Wednesday, April 19.
Richmond, Ind.-Richmond Florists Club, greenhouse of member, Monday, April 17.
St. Louis, Mo.-Plant and Cut Flower Gromers' Association, Wednesday, April 19, at 3 P . m .

Toronto, Ont.-Toronto Gardeners and Florists' Association, St. George's hall, Elm street, Tuesday, April 18, at S p. m.

## Chicago.

market conditions.
Conditions all along the line have shown a pronounced improvenent. Especially has this been the case during the early days of this week, and indications point to a good toned market right up to Easter. This is a gladsome relief to the grower who has seen his stock handed over the counter for many days past at ridiculous prices. Lilies are appearing in some consideral $\because$ : numbers and the quality is generally good. The past week has brought an active demand from out of town for pot lilies, and the taking out of the market of this considerable quantity of stock will, it is thought by some of the dealers, cause a stiffening on cut blooms. Although there is apparently about Chi cago, more good lilies in sight than have been in crop at this time for many years, and with out of town consignments which invariably show up at this season, it seems as if no orders would be turned down owing to lack of supply, although selected blooms will no doubt command live quotations up to the last moment.

## NOTES.

At the range of the Poehlmann Brothers Company, Morton Grove, the prospects for seasonable Easter stock are unusually bright. Although Easter is rather late the stock here will not have to be retarded for this holiday trade. Lilies will be plentiful, as the three 340 -foot houses of longiflorum will be in first class shape for Easter An ample supply of mignonctte will also be on hand. Carnations will bc in grod supply in all the leading varictics with the possible exception of Enchantress. Hyacinths are about over and this firm will not have any in the market for Easter. Tulips will be numerous and in good season. The chief varieties are La Rcine, Yellow Prince and Cardinal. The rose cut is heavy and promises to hold up for some time, American Beauty, Bride, Bridesmaid, Golden Gate, Chatenay, Uncle John, Perle, Liberty and Sunrise being sceu here in abondance. Three houses
of Asparagus plumosus are in good shape.
An especially large stock of Easter lilies is to be found at Bassett \& Washburn's. The crop is large and prices lower. Long and medium Beauty are in full quality, short stems, however, are poor. In miscellaneous roses there is a fine crop of Liberty coming in, and also good cuts of Bride and Maid. In carnations there is a noticeable shortening of the cut. The quality is better, owing to the cooler weather of the past week, which is more favorable to that class of flower. Prices in general are lower than have been quoted for several years. Indications point to a large supply of outdoor material from central Illinois, which will arrive in due time for the Easter trade, consisting mainly of lilac, tulips, daffodils, etc.
The Garfield Park Floral Company has an extensive variety of plants in excellent condition just now, including Baby Rambler and Soupert roses in 5 -inch pots, deutzias, metrosideros, marguerites, Primula obconica, lilies, Asparagus plumosus, Otaheite oranges, Aucuba Japonica (well fruited), lilacs, Acacia armata, azaleas, hydrangeas, ete.

A number of Chicago florists were in Springfield Tuesday lobbying in the interest of the bill appropriating $\$ 30,-$ 000 for experiments in the growing of hothouse flowers. Among those present were James Hartshorne of the Chicago Carnation Company and Phil. J. Foley.
Graff \& Company have disposed of their Washington street store to Harry B. Tufts, formerly connected with the Morrison hotel. Charles Balluff, well known in Chicago retail circles, has accepted a position as manager for Mr. Tufts.

Notwithstanding the advance of prices heavy shipments to northern points are reported. The glut of the market has subsided. The growers have been inclined to hold back, which has had a tendency to stiffening the market.
F'or the accommodation of their customers and friends, Bassett \& Washburn have decided to handle florists' supplies in addition to their wholesale flower business.
Jacob Schaurer, 2291 Mozart street, was hit by a street car last week and badly injured internally.
Weiland \& Risch have an unusually attractive variety of Liberty, Maid, Bride and carnations.

George Asmus, at the Schiller place, W. Madison street, is making a hit with crocuses in pans.
II. N. Bruns has a fine lot of lily of the valley in pans for the Easter demand.

## Milwankee, Wis.

Trade was rather quiet Tuesday and Wednesday of last week, but the last days of the week were very busy and stock of all kinds cleaned out very satisfactorily. Leauty are a little short of supply as yet, but most likely by Easter there will be a good supply, as several of the growers are just coming into erop. There will be plenty of carnations for all demands for Easter trade, also all roses that may be required.
Molton \& Hunkel Company will have two stores for their Easter trade, one for cut flowers and another for their increasing plant trade.

## SITUATIONS, WANTS, FOR SALE.

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Planl Advs. NOT admitled under lhis head.
Every paid subscriber to the American Floriet or the year 1905 is entitled to a five-line want DV. (bituations only) free to be used at any

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Situation Wanted-By a competent carnation rower. State wages with or without hard. Address Box 209 , csre American Florist.

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Situation Wanted-By good filorist, single, German. Is years' experience in cut flowers and plants. Position wanted as working foreman or section. Good wages expected. By Ist of May. Box 292, care American Florist.

Situation Wanted-By young lady with gome experience in tloral work wishes position in a Arst-class floral establishment in Chicsgo. Have had some ex perience in bookk $\epsilon$ eping.

M S, care Jeasen, E901 Prairie Ave., Chicago.
Stuntion Wanated-First-class grower of roses carnations, 'mums and general line of pot and bedding plants, also good in landscape gardeniag Wants position as foreman or take charge of seotion where No. 1 stock is wanted. Age 33, with 19 years' experience. State wageb. Address

Situntion Wanted-By first-class gardever German, 5 years in this country: married; 14 yesrs' experience in landscape and architectura gardening, as well ss in greenhouse cultivation o any debcription, is looking for engagement with foreman in a nursery. Very best referenoes can be furnished upou request. Address
P. O. Box 203, Riverbide, N,

Help Wanted-Singleman: good potter.
Blondeel Co., Oak Park, Ill.
Help Wanted-A good csrastion and 'mum grower. Permanent position to the rigbt party
Chas. Horrman, De Haven, Pa. Chas. Hofrman, De Havea, Pa.
Help Wanted-An all around man, German preterred. State wages wanted without hoard

Help Wanted-Grower of fine roses, carnations and general stock; bober indurtrious, Good wages to right men. Seud references

Box : 10 , care American Florist
Help Waated-Young, aingle man, bs assistant
foristin carnations aud chrysanthemums. State whges and experience. Address

Box 300, cere American Florist.
Help Wanted-Man for general greenhouse work, at once; state wages and give reference Steady place. Address Giohjann Bros., Saginsw, Mich.
Help Wanted-Experienced man to work in greenhouse; to good man, 550.00 per month with
board and room. Address Butte Flohal Co., Gregson, Mont

Help Wanted-At once, man who thoroughly understands 'muma and pot plants. Good wages to good man. Apply

Far Sale-50 boxes $8 \times 10,20$ boxes $10 \times 12$ and 10 boxes $8 \times 12$, all imported double thick glass, a good as dew. 10 4-inch gate $\nabla a l v e a$, finch fit tinge. Addrebs J. Geiet, Melrose, Mass.

Melp Wanted-A rellable, sober florist for general greenhouse work; steady place; married man $\begin{array}{cc}\text { preferred. State experience, wages and send ref } \\ \text { ereaces. } & \text { I. L. Pilleuvay, Gialesburg, fll. }\end{array}$

Help Wanted - A good grower of carnationsand propagator of same; to assist in growing bedding plants and general work around greeuhouse. Must be soher. State wages whth reference.

Wolfboro Greenhoureb, Wolfboro, N. H.

Help Wanted-A compete at single man to take charge of about 5,000 square leet of glass; mus understand selling plants and raising 'mums roses and carartions. State wages with board

Me. Sterling, Ny
Help Waated-Young man as assistant around greenhouse of about 12,000 feet of glass; one who can drive borse and do bedding out and mak hrmsel useful. State wages expected withou board. Address Box 126.
llelp Wanted-One or two greenhouse men at once. Young men preferred that have had some experience. State what you kaow in frat letter
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For Sale-Owing to the death of the proprietor, the greenhouses and stoch of the Laks Geneva Floral Co., established in 1890 are offersd for sale. A good opening for a practical man.
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Box 2l2, care American Florist Co.

For Rent-At Frederick, Md., greenhousee 18x63, 12z102, 205162, boiler room 18x60, equipped with No. 8 Furman boiler, and small heater; large mushroom cellar, stable, about two scres of ground; dwelling for rent in immediate seighborhood; corl, marure, labor cheap, city water; no stock on band. Reat $\$ 300$ per annum, halt payable in advance every six moaihs. Ill health of owaer compelved retremeat rom succesbul musbrooms for Washington and New York.

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| Violets, single........ . . . . . . . . . . . | .25@. 40 |
| " dou | .30(6) . 50 |
| Adisntum. | .75@ 1.50 |
| Gardeniss | .12a. 15 |
| Mignonette. . . . . . . . . . . . . . . . . | $2.00 @ 3.00$ |
| Bupfalo, April 12. |  |
| Roses, Beauty..................... | 2.00935 .00 |
| " Bride, Bridesmsid, Meteor.. | 2.00 @ 10.00 |
| Carnstions........................... | 1.00@4.00 |
| Hsrrisii..... ........ .................. | 1000 (3) 12.50 |
| Lilly of the valley | 2.00 (9) 4.00 |
| Aspsrsgus, strings. | $40.00 \times 50.00$ |
| Smilax...... | 1500 mt 2000 |
| Adisntum | .7500 1.51 |
| Lilium Longiflorum | 10.00 (12) 12.50 |
| Violets.... | . 200.60 |

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CUT FLOWERS AT WHOLESALE. Choice Carnalions. Any quantily. Prices very reasonable. Wire or write. Csieful ettention given shlpping orders.
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CATTLEYAS, GARDENIAS, ROSES, CARNATIONS and all seasons ble novelfies. With our loag experience in shipping, snd competent assistants in our packing department, we are in a position to guarsintee out-of-town

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Wholesale Commission Florists, 55 and 57 West 26th St., NEW YORK CITY. Advice of sale note daily. Statement and check weekly. All consignments large or small receive the aame attention. CORRESPONDENCE INVITED.
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Special American Beaulies,
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Are tbe best product of the best grower for the New York Market.
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Mail, telegraph or telephone orders filled promptly in best style.
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7 East 33rd St., Near Waldorf-Astoria.
Telegraph orders from any part of the country for Boxes, Flowers or Designs for deliveries at for Boxes, Flowers or Designs for deli
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Choice Cut Flowers. ST. PAUL.

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THE LEADING FLORISTS OF THE N. W.
Orders will be well cared for anywhere in Minnesota and the Dakotas.

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 GALVESTON, TEXAS.Cut Flowers, Floral Designs, Decorations. Telephone 1087. All mail, telegraph or telephone orders promptly and artistically filled.



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We will have about $\mathbf{3 0 , 0 0 0}$ blooms of the tamous

## Red Stemmed Giganteum Easter Lilies

Just right for Easter sales. Flants are from 20 inches to 36 inches high, and fine for handling in pots. Can be packed 25 in box, with from three to six blooms per plant, as desired, and can be shipped anywhere. PRICE OF BLOOMS AND BUDS.
In plants................................ $\$ 130.00$ per 10C0. Cut blooms............................... $\$ 120.00$ per 1000 .
Write Us for Anything in the Cut Flower Line. ORDERS BOOKED NOW. No orders booked for less than 25 plants. Prices are I, o. b. Chicago.


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EASTER Everything in Fancy Cut Flowers. ORCHIDS A SPECIALTY.
Fancy Valley, Violets, Beauties. Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.
A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand.

Also a fine line of Novelties in Florisls' Supplies.
11 you want the BEST at eny TIme, or all the TIme, send to
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## EASTER NOVELTIES.

I quote the following goods for immediate shipment, clean fresh stock just in Easter Chicks. fancy imported, doz., $\$ 300$. . domestic, doz., 2.00. Easter Ducks, fancy imported, doz., 3.00. Cotton domestic, doz., 2.co. Twig vereks and Ducks, anc to $\$ 1.00$ do 2. Mats Baskets or Nests, 75 c to $\$ 3.00 \mathrm{doz}$, Water-pion and fancy, $w .00$ to a.e doz.
Common Crepe, all colors. 850 doz.
Common Crepe, all colors, 75 c . doz.
Easter Ribbons, thest quality satin, per bolt. $45 \mathrm{c} \quad 550 \quad 65 \mathrm{c} \quad 85 \mathrm{c} \quad \$ 1.00 \quad \$ 1.10 \quad \$ 1.25 \quad \$ 1.50$ 45 C 50 can supply all colors in abore $\$ 1.50$ Baby Ribhons, all colors. per doz, spls., 84.00. Tiolet Cords, from 50 c to $\$ 1.50 \mathrm{doz}$
Violet Ribbon Ties, from Fic to $\$ 2.00$ doz.
Crepe Paper Pot Covers, 50 c to 82.00 doz .
Match-Sticks. 6 -inch, 500 ; $12-1 \mathrm{nch}, 75 \mathrm{c}$; 18 -
lnch, $\$ 1.00$ per M .
Fancy Pearl Corsage Pins, assorted colors, 15 c to $\$ 1.60 \mathrm{doz}: \$ 100$ to $\$ 600$ per $2 \mathrm{~K}^{2}$.
$V$ lolet Iampers, from 50 c to $\$ 150$ each
Cycas Leaves, Ass't. 24 to 48 -inch, per $100,812$.
Doves, very finest quality, per doz....... \$12.00 Next best grade, per doz.................. 10.00 Seconds for decorsting, per doz....... 8.00 Srasll Chenille Birds, per doz. $50 \mathrm{c}, 75 \mathrm{c}$ and $\$ 1$. Folding Easter Bells, white paper, No. 1, 5-in. Violet Tin' Foil, per lb., 35 c ; 3 lbs., $\$ 1.00 ; 100$ los $8=500$
full line of all other aupplies, Wire Designs, Sheaves. Baskets, etc.

[^13]
## The Seed Trade.

> ANIERICAN SEED TRADE ASSOCIATION. Chas, N. Page, Ins Moines, Ia., Pres.; L. L. May, St. Piuh, Mmn., First Vice-Pres. C. W. Fendel, Cleveland, O., sec'y and Treas. aduria Bay, N. Y., dume $20-20,1905$.

Western markets report a shortage of Caladium esculentum bulbs in the larger sizes.

Rerorts from many sections indicate that seedsmen are unusually busy in all lines.

Tine United States Department of Agriculture has issued an illustrated bulletin on "The Development of Single Germ Beet Seed.'

The present active demand for dormant canna roots indicates a continuation of the popmarity of this favorite plant.

Los Angeles, Cal.-Among reeent visitors were William F. and Mrs. Dreer, of Philadelphia, returning east from Santa Barhara, thoir winter home.

Nitro-Culture. - The experiment station of the Iniversity of Illinois, Champaign, 1ll., has issuet an interesting bulletin on this new factor in eultural methous.

Aron, N. Y.-The Cleveland Seed Company has started to break groumd for the new plant, which is to be moved here from Cape Vincent. The builing, which will be erecter] at once, will he $40 \times \mathrm{SO}$ feet and three stories in height.

Vantura, Cal,-The unusnal rainfall in southern California will stimulate the planting of all erous which are grown successfully in this section. Of these beans, lima anil pole, interest the seel trade. Contract prices have declined from 25 to 50 cents per hondred pommis becanse of the greater rainfall.

## Los Angeles, Cal.

Johnson \& Mussar issur frombi cally a fourppage panphlet tan market gardeners contaming confidential talk and adrice especially to beginners, of whom there are many, ami to whom elimatic pomditions are new. The booklet is helpful in the right way.

It is reported that the amount of common white brams in sirfit now is luss than half of what is modest for usiad supply until new ropp comes in.

Limas iml seveal kinds of pole beans whimh hav been mostly grown in the Vrontura, 'al., distriot ame now quite larguly piantell mar kata Monjea, twenty miles from Jus Angeles. The batter serts must lay erown bead erast. to aroid wervil.

## 3,700 ACRES OF GARDEN SEEDS

 IN CULTIVATION.
## Braslan Seed Growers Co,

Wholesale Seed Growers.
SAM JOSE. CALIFORNIA.

## American Floris1

## The Spring Business

Wre are in receipt of a number of reports on this season's seed business, as follows:

Wood, Stublis \& Company, Louisville, Ky.-The seet business here has been very brisk since March 1 and there has been no abatement even in April. February was behind that month of last year and we suppose this was due to the inclement cold weather during that month, lut March and April will more than make up for this shortage. The stack of onion sets in this market seems to he about all cleaned up. There are still a few scattering sets, but not very many. There has not heen demand for seel potatoes here as usual, but all other seels, especially grass, clover ans field seeds, have been in active demant. The acreage of onion sets here is going
to be fairly good this season, but we cannot tell anytling about the erop as yet.

Schisler-Corneli Seed Company, St. Lonis, Mo.-Trade with us for this year bas been very good. Jannary and February were a little slow, but the month just past, March, has been the largest we have had since we have been in business, and so far this month it is holding very nicely. We look for a fairly good season.

The Livingston Seed Company, Columbus, O.-We were never busier. The local trade is simply enormous. Mail trade far exceeds that of 1904 in number of orders, but in the amount of money the increase is not large. From present indications the local trade of 1905 will exeeed that of 1904 by a good percentage


# New Ciladiolus Princeps. 

## The Best and LARGEST GLADIOLUS

## In Existence.

The flowers range from 5 to 6 inches in diameter, and can be grown to hearly 8 inches mader stimulating unch rounded forming an wide and much rounded, forming an almost circular fiower. From three to six of these immense and brilliant blooms whe ex panded ata time on each spike, which oits development. Princeps is a most striking variety and the rate of increase is such that in time it can be produced in large quantities for bedding purposes as well as for cutling and exhibition. The cut blooms of this variety brought flive cents each on the Chicago market last aummer.

PRICES FOR 1905.
Par doz. Per 100 First size bulbs... $\$ \mathbf{2} .50$ Per $\mathbf{\$ 2 0 . 0 0}$ Second size bulbs $2.00 \quad 15.00$ Thirdsize bulbs.. I.50 12.00 'These 3 sizes are all blooming bulbs.
Vaughan's Seed Store, CHICACO, NEW YORK, 84.86 Randolph St.

14 Barclay SI.


Cushman's Hybrid Gladiolus Bulbs

## AT FRACTICAL LIVING PRICES.

Our Bulbs are not better than the best, but better than the rest. Try them. $\$ 5.00$ per 1000 for fine blooming size. Light mixture.

## Cushman Gladiolus Co. SYLVANIA, 0 .


W. W. RAWSON \& CO., Seedsmen 12 and 13 Fanueil Hall Square. Boston
Pletuse mention the American Flovist zethen writing.

## GLADIOLI.

## Lemoine's Hybride (Butterty Gladioli):

| Per 1001000. | Per 1001000 |
| :---: | :---: |
| No. 1. $\quad$ \$ $\$ 1.50$ \$10.00 | No. 2....8.75 86.00 |
| Small blooming bulhs | 81.07 per 100 |
| Grofl's Hybride, No. 2 | 600 per 100 |
| " No.3 | 3 c0 yer 100 |
| Small bulbs .... | 1.00 per 100 |
|  | sand hardy |
| Y. | Gantarvilla, In |

## SUMMER FLOWERING BULBS

## TUBEROSES.

Dwarf Pearl, first-class, strong hulbs, per 100 , per $1000, \$ 8.00$ Dwar Pearl, luedium size, per 100, 60c: per 1000 , GLADIOLUS.
All strictly first size bulbs. Per 1001000 Augusta. pure white, blue anthers.... $\$ 3.00 \$ 26.00$ Brencbleyensis, inteuse scarlet..... 1.35 11.50 Ceres, pure white,spotted purplish rose $1.95 \quad 10.50$ Mme. Moneret, delicate rose color.... $1.50 \quad 12.50$ May, pure white, flaked rosy crimson.. $1.50 \quad 12.50$ Vaughan's XXX Florist Mixture.

This mixture is made up from named white and light varieties and mistures of light colors ouly. Per 100, 81. õ5; per 1000, $\$ 15.00$.

## vaughan's SEED STORE,

 CHICACO. NEW YORK.
## Seed Bags FOR THE TRADE

We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

## Brown Bag Filling Machine Co.

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Grand Rapids,
Mich.

## SEED GROWERS

Flold, Swoot and Pop Corn, Cuoumber, Molon and Squanh Sood.
Write us before placing contrants. We bave luperior stock geed and can furnish you good seed st reasonable prices. Address
A. A. BERRY SEED COMPANY, CLARINDA. IOWA.
THE HORTICULTURAL TRADE JOURNAL.

The largest, brightest, and best advertising medium for the Horticultural Trade in Great Britain, published weekly. Also
the international horticultural trade journal.

Publiahed quarterly. Both mailed post Iree for one year for Ons Oollar. -Publiohers :-
THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENCLAND.
Asparagus, Peonies, and Pansies.

[^14]
## BERMUDA

 Harrisii Bulbs THE "SEIPER IDEM" BRAND.I am now booking orders for July and August delivery. Prices on Application. $* * *$
CHAS. A. V. FRITH,


SEED MERCHANTS AND SEED GROWERS. QUEDLINBURG, (Germany.) Mangel Wurzel and Sugar Beet Seeds A SPECIALTY.
We offer an immense stock of all seeds at mocerate prices, to the trade only. General Catalogues tree on application. English Correspondeuce.
SPECIAL PRICES FOR LARGE QUANTITIES ON DEMAND. —Telogram Addrese: SAMENEXPORT, Quedilnburg.-

## Van Zanten Brothers, <br> ROYAL NETHERLANDS BULB NURSERIES AND EXPORT TRADE HILLEGOM, HOLLAND.

Wholesale growers of the leading sorts of HYACINTHS, TULIPS, NARCISSUS, CKUCUS SPIRAEAS, GLADIOLUS, PAEONIAS, Etc., Etc. We further ask your attention to our superior quality and special prices of FRENCI BULBS, ROMAN HYACINTHS PAPER WIIITE GR., ETC. Ask quotations from our traveler

MR. G. HYLKEMA,
Care of Messrs. Malłus \& Ware, 136 Waler St., New York.
Who also will send you on demand, catalogue and special prices of all Holland Bulbs and Plants.

## LEONARD <br> Write for Pricea. we are SEED <br> Ses. <br> WHOLESALE SEED GROWERS <br> Seeds for present requirements ready to shlp. Contract orders for delivery after harvest 1905 Gardon Soods. now, Beans, Poas and CHICAGO. <br> ONION SETS <br> New Canna FAIRHOPE

An improped Henderson: 30e pach: $\$ 300$ per doz.; 82000 per 100 . Don’t miss this grand novelty. It is one or the best. A OOLLAR'S WOR'H FREE with Every $\$ 1000$ Order lor Other Goods. WRITE TO-DAY.
SOUTHERN FLORAL NURSERY CO., Fruitdale, Ala.

## The NurseryTrade

AMERICAN ASSOCIATION OF NURSERYMEN.
E. W. Kirkpatrick, MeKinney, Tex., Pres.;

Gporge C. Sorare Rochester, N. Y., Soe'v.
Springs, 1pd., June 14-16, 1905.


#### Abstract

Ashtabula, O.-H. S. Simpkins \& Son is the name of a new nursery com pany operating here. L. Marlatt, of the Bureau of Entomology, United States Department of Agriculture, Washington, D. C., has issued a report on the gypsy and brown tail moths, which will be found inter. esting to those who have to care for trees.


Baltimore, Mo. Major Richard M. Venable, president of the park board, does not like the idea of distributing flowers as farors to members of the board and their friends, and to the fricnds of the superintendents but insists that if any flowers could be spared they should be ive report he declares that landscaping is as much an art as painting and sculpture and should be left to ellucated specialists.

Los Angeles, Cal.-There is a state law providing for the establishment of assessment districts for planting and caring for shade trees in streets and highways. It has been on the statute books for ten years, but the council, in advertising for bids recently for converting a certain highway into a treelined avenue, failed to rceeive a single one, the result of which has caused a great many of the nurserymen to doubt its validity, and are seemingly fearful that they would not be able to collect the assessment bonds in case they sccured a contract.

## Pruning Street Trees

Ed. American Florist:-
When maple and other street trees need pruning, when should it lie done, in the fall, winter or spring, or when they are in leaf?
If maple or ather strpet treas have been neglected for a number of years, so that large numbers of braphes have to be removed, the prominer shouk he done when the trops are dommant, or at any time after the leaves have fallen. On the other hand, if only a few of the lower limbs that impede trafic require amputation, it can be fone without any weakening eflects in the summer timp Care should always be exercised in cut ting all the branches close back to joints or to the trunks of the trees, and newr leaviog the smallest fart of a stub. The wounds slould he covered with colal the

## Rochester, N. Y.

Chase Brothers \& Company lifu matle plans to estahlish an immense plant in the new Twenty-first warl.


Pitkin, a member of the firm, has given ont particulars as follows:

The have purchased nine acres of land in Brighton on East avenue, just west of the tracks of the Auburn branch of the New York Central railroad. Here we shall erect two large buildings for our packing business. One of these buildings will be 300 by 300 feet, one story and basement, of block concrete or solid concrete. The other building will be of the same construc. tion and 100 by 100 feet.
'These buildings will give us 40,000 square feet of frost-proof storage and packing room. In addition to this, we shall have a siding from the New York Central running into the buildings, giving us 400 feet of track on which to load and unload our stock under cover.
"Then we intend to build an office building 100 by 60 feet in size, one story and basement. This building will probably be of brick, or may be, like the others, of concrete.

## 700,000 Cal, Privet

prs, 219 to 3 ft., extra bersy 3 yrs., 2 to $2 \%$ f.., well branched. 3 yrs., 18 to 24 in., $\begin{array}{r}50 \\ 23.00 \\ \hline 20\end{array}$ yrs., 18 to 24 in., ". ....... 2.00 15.C0 3 yrs., 12 to 18 tn., 4 to 8 branches $2 \mathrm{yrs} ., 31 / 2$ to 4 ft ., very beavy
$2 \mathrm{yrs},. 21 / 2$ to 3 ft ., well branched. 2 yrs., 2 to $23 / 9 \mathrm{ft}$.
2 yrs, 2 to $2 y \mathrm{ft}, \mathbf{3}$ to 6 brancbes 2 yrs., 18 to 24 in., 5 to 8 1 yr.. 14 to 20 in., 2 to 4 1 yr. 10 to 14 jn., 1 to 2 $150 \quad 10.00$ Cuttings, strong. . $\ldots . . . . . . . . . . .$. Tree form, 3 y rs., heads 4 to 5 feet..... 25 c each All the above plants have heen transplanted and cut back except one year, which maxes them a clean, good stock. Parties wanting 5,000 or over, will write and get better rates

## River View Nurseries J. H. O'HACAN. LITTLE SILVER, N. J.

Please mention the American Florist when zuriting.

## Hardy Roses

Fine 2-year fleld-grown Gen. Jacqueminot, Magna Charta, La France, Crimsan Rambler, etc., first aize, 12a: second size. 7c: Crimson Rambler XXX, 20c; large floworod Ciomatls, fnest purple, lavender, white snd red sorta, 2-year, 18c; 1-year, 9c; extra 3-year, 30c. Clematis Panlculata, 2 -year strong, 10c. Ampefopsls Voltchi, lata, American lvy, 8c; Honayaucklo, Hall's, etc., 8 c : Hydrangea, P. C., Ilc; solendid tree
shaped specimens. 30c. Coldon Clow, atrong shaped specimens. 30c. Goldon Clow, atrong roots, 4c. Hardy Phlox, finest named sorts, 8c. Poonlee, fuest varieties, 12c; Iria, flnest Japaness and German, 10c: Hardy Shrube, in the leading varieties, Altaeas, ioc, berbery, Purple Lateved, etc., 10c; Devtzias, 10e; Jap
Everything offered is strong. 2-j ear, feld-grown. unless otherwise noted. Fruit and oraamental anless otherwise noted. Fraition. Packing free for cesh

## W. H. SALTER nochesser, H. $\mathbf{Y}$.

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## Tottenham Nurseries, ıт.

Estabtished 1872.
A. m. C. VAN DER ELST, Managing Director.

## Dedemsvaart, (Holland.)

Headquarters for Hardy Perennials famong whach are the latest and chnicest) 13 acres devoted tor growing this line as Anemone, Aster, Campanula, Delphinium, Funkia Hemeracallis, Hepatica, Incarvillea, Iria, Peonies, Phlox decussata, and sufruticosa, Primula, Pyrethrum, Tritoma, Hardy Heath, Hardy Ferna. Also acres Daffodils, 12 acres Conifera, (apecially young choice varieties to be grown American and Rhadodendrons (also the best American and Apine varietes), lines. Ask for catalogue.
"Our new plant will have a frontage of 600 feet on East avenue. We have been hampered by lack of room the past few years. We estimate that the buildings and equipment of the new plant in the Twenty-first ward will cost $\$ 50,000$ We intend to begin grading on the East avenne property in April and will begin the buildings in May so that we can have them completed in September.

The firm expects to employ 150 men at the new plant. Fifty to sixty men will be employed in the office the year around.

Morristown, N. J.-At Cedar Court mork has been begun on the new mansion for O. H. Kahn. Considerable planting of rhododendrons has been done by Supt. J. Fraser. In the greenhonses a promising lot of Ulrich Brunner roses are coming in for Easter. Crassula coccinea hybrida will also be in bloom.

## Special Offer: clemats slium anhavum <br> CLEMATIS, 2 years old, No. 3. Per 100

 Jookmanf, 2 years ald, No. 1.................... 818.00 Henrying 20 each in smaller quantitiea. Henryil, 2 years old, No. 1 ...................... 18.00 years old, No. 1.... 19.00 21c each in smaller quantitios.CLEMATIS, 2 years old, No. $11 / 2$.
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CALIFORMIA PRIVET CHEAP
100,000 well grown planta, 3 to 4 feet, gelected,
8400 per 100 fept, 7 or $\$ 4.00$ per 100 . $\$ 25.00$ par 1000. 21/9 to $31 / 2$ fept, 7 or more branches, 82.50 per 100: 817.50 per 1000; 20 to 30 in. 5 or more branches, 82.00 per 100: 813.00 per 1000. 18 to 94 in. . light, 2 years, 3 or more brancbes, 8150 per 100, 8700 per 1000. All of the sbave before placing your arders.

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An lllustrated Manual containing auggeations on Lawn Making, Planting and care al Shrubs and Trees, with names and descriptions rear ties hardy and of merit. Asoingarmical Surfeys, atc. A book you will often refer to. Send for it to-day. Free on applleation.
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## LONG STEMS.

Blooms as large as Cosmos. A most beautiful yellow. One year old. Out-door grown. Blooming size. $\$ 2.00$ per 100 ; $\$ 15.00$ per 1000 .

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dormant. Perle des Blanches,
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aer, etc., all at.... .. ......... $1.50 \quad 11.00$ FLOWERING SHRUBS.
AZALEA MOLLIS, mixed
kinds, 20 buds.............. . $40 \begin{array}{r}4.00 \\ 30.00 \\ 100\end{array}$ HYDRANGEA paniculata Doz. 100 grandifora, bushy tield-grown
1/2 to fetu.......................50 11.50 Busby feld-grown, 12 to 18 inches 1.008 .00 Standard lyydraugeas, bushy tops 300 DEUTZIA GRACILIS, pot- ${ }^{\text {Each }}$ Doz. 10 grown for 7 -inch pots..... $\$ 15 \$ 1.50 \$ 12.00$ field growa 3 to 4 ft , stroug DEUTZIA LEMOINEI, pot-
$\begin{array}{lll}.40 & 3.50 & 25.00\end{array}$

LEMATIS JACKMANI 9 .... $\$ 2.50830 .00$ CEMATIS JACKMANL, in..... $4.50 \quad 35.00$ KInds, ,ywar-old VEITCHi........ 3.50 25.60 4 4P ft., ...... ...... 3.50 BOX TREES (Buxus Semparvirons). dew importation, just arrived iu fine conStaudard or Tree Shaped, stems about het, crowns is ketindiameter, pitch wi.00 Bush Shaped, rery ine buthy phants. $1)^{16}$ feet bigh, eacl... ........................... 1.00

Pyramidal Shaped, fine shapely trees,
31/2 [eet high, each............................ 300
PEONIES. In ossa lote.
Te bave this year secured a fine lot of Pæonia chmensis in aricy uamell sorts, suntable or Florists use, ill yound roots, one year rom divisions and with taree to five eyes. louble piok fortouble red 00 root in doule red, each sort the low price of $\$ 2000$ per case, or 3 cas's for $\$ 55.00$. n Soparato Colora. Strong these prices. Doz. 100 Jouble red and crimson .......81.50 $\$ 1200$ Double white....................... 150 12.00 Double all colors mixed....... 100 - 800 DIELYTRA SPECTABILIS..... $1.00 \quad 7.00$ SHASTA DAISY, 3 -inch pat.... . 756.00

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Ptease mention the A mer ican Florast when wrating.
 RHODODENDRON MAXIMUM
And other Broud-Leaved EVERCREENS by the car load or ia smallerquantities Ornamental TREES, SHRUBS and ROSES In groal varlaly. HERBA. CEOUS PERENNIALS by the thoueand.
See our Special Herbaceous Catalogue and Wholesale Trade
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# New Dahlias of Proved Merit. 

Embracing a complete set of 12 NEW CENTURY DAHLIAS; 25 SUPERB NEW CACTUS DAHLIAS; NEW COLLARETTE DAHLIAS; NEW GIANT-FLOWERED DAHLIAS; NEW FANCY DAHLIAS; NEW DECORATIVE DAHLIAS: NEW SHOW DAHLIAS; NEW SINGLE DAHLIAS. In all, 38 of the most wonderful Single Dablias ever produced, and $\pm \pm$ of the grandest Double Dablias.

All exquisite in form, shape and coloring; free bloomers and MONEY MAKERS. Faithfully and truthfully described in our new illustrated descriptive catalogue, mailed free upon request.

## Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column
Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New Fork; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago

At New York.
The bowlers at Monday's meeting made the following scores:


## At Denver.

The latest scores made in the Florists' Bowling League series are as follows:

| team no. 4. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Cooper | 151 | 127 | 138 | 16 |
| C. Benson | . 152 | 118 | 135 | 405 |
| C. Mauff | 166 | 209 | 187 | 562 |
| Glauber | 141 | 151 | 177 | 469 |
| Totals | 610 | 605 | 637 | 852 |
| Fraz | teami ${ }^{\text {no }}$ | ${ }_{1}{ }^{192}$ | 138 | 8 |
| Kennedy | 140 | 181 | 136 | 457 |
| Bush .. | 166 | 131 | 147 | 544 |
| Scott | 166 | 188 | 161 | 515 |
| Totals | 650 | 692 | 58 | . 024 |
|  | team no. |  |  |  |
| Brinkert | 124 | 123 | 111 | 358 |
| Reynolds | 138 | 114 | 136 | 388 |
| Valentine | 152 | 179 | 139 | 470 |
| Benson | 152 | 163 | 202 | 517 |
| Totals | 566 | 579 | 58 | ,733 |
|  | TEAM NO. |  |  |  |
| Zimmer | .. 177 | 128 | 161 | 406 |
| Kurth | 147 | 171 | 145 | 463 |
| Berry | 200 | 158 | 149 | 507 |
| Mahon | 165 | 155 | 157 | 477 |
| Totals | . 629 | 612 | 612 | ,853 |

## New York Florists' Club.

The April meeting of the New York Florists' Club, held on Monday evening last passes into club history as including one of the fiuest exhibitions of seasonable plants ever made in chor quarters. Louis Dupuy of Whitestone, L. I., showed a beautiful collection of Easter plants, well grown and in grand shape. Crassula coccinea was his novelty. Mr. Dupuy said that it was a plant quite popular in the London market. It had great substance in its makeup and he thought it would prove to be a very valuable plant for early summer. While it was a slow grower it was very easy to grow. He showed ericas in several varieties, three varieties of passion flower, and several of hydrangeas, inclurling the blue variety. In regard to the latter variety, Hortensia rosea, be said it was colored by cultivation, the matter of soil being most important. As a new thing it possibly hail not given the best of satisfaction, but anyone present could see it that night in satisfactory condition. The troulde was no doubt due to the fact that growers had purchased a few phats and propagated from them to
such an extent that undue weakening lad resulted, and its blooming qualities become injured. With good stock and proper attention there would be no trouble. He also showed Hortensia white Jeaune de Are, a sport from Hortensia Thomas Hogg, and a plant of Hortensia Thomas Hogg. Some fine marguerites, a fine specimen of French purple lilac and Baby Rambler rose, and several speeimens of Mimosa acacia eordata, were also inchuded in his exhibit.

The Hinode Florist Company, of Whitestone, had five grand specimens of the Crimson Rambler rose, one of them trained in circular form. These plants excited much admiration. Pankok \& Schumacher, also of Wंhite stone, showed a fine bush of bouganvillea, and a plant of epiphyllum.

Thomas DeVoy \& Son of Poughkeepsie presented a handsome plant of their new geranium Telegraph. Notwith standing that this plant had been brought down from Poughkeepsie under shipping difficulties the cluster of flowers were perfect, and little the worse for their journey. The brilliant color of the flowers lent great contrast to the rest of the exbibit. As Mr. DeVoy, Jr., who was present said, Telegraph seemed hard to excel as a greenhouse plant. The general exhibit was judged by the club's eommittee on awards. To Louis Dupuy it gave an award of excellence for cul ture on his collection of ericas, marguerites, and Baby Rambler roses. For the balance of his exhibit an award of merit for culture was given. For his Crassula coccinea a certificate of merit was awarded. The committee's report stated that the committee was favor ably impressed with the plant's possibilities.

Pankok \& Schumacher were given an award of excellence for their specimen of bougainvillea, and an award of merit for their epiphyllum, both for culture. Thos. Devoy \& Son gained an award of merit for culture on their Telegraph geranium.

Prof. W. G. Johnson was elected to membership in the elub.

The proposed change in the by-laws governing the collection of dues was, after considerable discussion, referred to the next meeting.

President F. H. Traendly called the


## CANNA

WEST VIRGINIA.
Best of the Crozy Pype. Gold Medal at St. Louis. Started plants now ready, $\$ 5.00$ per 100 . Stook 11 mlted .
GUS. OBERMEVER,
Box 219,
PARKERSBURG, W. VA.
attention of the club to the fact that in shows made under the auspices of the club, school chitdren were invited to the exhibitions free of charge. Visiting the greenhouses at Prospect park recently he was impressed with the absurdity of the ruling that children under 16 years of age are excluded from the houses. He could not see the force of this ruling and thought the elub should bring the matter to the notice of the park commissioners. The project favorably impressing the meeting, on motion a committee was appointed to draft a letter to the park commissioners protesting against the exclusion of the children. S. S. Butterfield, Alfred H. Langjahr and Walter Reimels were appointed such committee.

## Greensburg, Ind.

Draper \& Clark and the Greensburg Floral Company have formed a partnership. Ira Clark will have charge of the business and Henry Bentlage will look after the growing. Mr. Bentlage recently bought the Greensburg Floral Company's establishment of Mr. Dehmer. Mr. Clark has had charge of the Draper \& Clark greenhouses four years and is well acquainted with the business in Greensburg and Mr. Bentlage has had several years' experience with the best growers of the country. The firm name will be Clark \& Bentlage.

## 

 A FEW OF OUR LEADERS:Wm. Duckham Ben Wells, Mrs. Thirkell, 82 00; F. A Cobbold, Leila Filkins, $\$ 3.60$, Dr. Enguehard, $\$ 1.00$ per 100.
Asparagus Sprengeri. strong 21/4 and 31/6-in. 81.75 per 100 ; 5.00 per 1600
Send for complete list. No order flled less than $\$ 1$
W. A. CHALFANT, Springlield, Mo.

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Just at hand. n superbcondition. our first shipment of CATTLEYA LABIATA. Write for prices.
also recommend our large stock of wellgrown, established ORCHIDS. Write for cat alogue.
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Sander's annual spring orchid sale.
Send for Descriptive Catalogue to
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## Stanley \& Co.

SOUTHGATE, ENGLAND.
CATTLEYA SCHROEDERAE, a grand well assorted importation just arrived.

Order at once.

# The TARRYTOWN FERN NEPHROLEPIS PIERSONI ELEGANTISSIMA 

The Best Record of Any New Introduction

THE MUCH S50 PRIZE From The HORTICULTURAL SOCIETY of NEW YORK For The best new
coveteo \$30 PRILE From The horticuliural society of New York pan of he rear


## GOLD MEDAL worlo's falR

SHAW GOLD MEDAL
Louisiana Purchase Esposition.

## COLD MEDAL

Pennsylvania Horticultural Society. GOLD MEDAL
Rhode Island Horticultural Society. cold medal
New Orleans Horticultural society. SILVER MEDAL
Souiety of American Florists-Mighest Award. SILVER MEDAL
Massachusetts Horticultural Society. SILVER MEDAL
New Kork Florists' Club-Highest Award. SILVER MEDAL
American Institute, New York-Hichest Award. SILVER MEDAL
Newnort Horticultural Society-llighest Award. SILVER MEDAL
Tarrytown Hortimalural SocietyHighest Award

And Numerous Diplomas and Certificates of Merit.

# Introduction 1905 

There is notbing in the fern line that is as handsome as this beautiful fern when well grown. It is a wonderful improvement over Nephrolepis Piersoni in every respect both in regard to beauty and habit of growth. It is a sport from the Pierson Fern (Nephrolepis Piersoni), but it is very much more beautiful and of greater value. It is as different from the Pierson Fern as that is from the Boston. The small side pinne are again subdivided, producing an exquisite and beautiful effect, changing the entire character of the fronds, which measure less than hatf the length and about twice the breadth of the fronds of the Pierṣon Fern. The fronds also assume an entirely different form, the side pinne standing at right angles to the mid-rib of the frond, on edge rather than flat, as is usual, making both sides of the frond equally beautiful-entirely different from any other fern.

The Plant is very dwarf, only about half the height of the Pierson Fern, and of very much more compact habit. Taking it altogether it makes one of the most exquisite plants and one of the most valuable for table and house decoration that has ever been introduced. The cut fronds, on account of their beauty, will be in great demand for table decoration. Well-grown plants make most magnificent specimens.

## NOW READY FOR DELIVERY.

PRICE-21, 1 -inch pots, $\$ 900$ per dozen, 50 plants at 60 c each, 100 at 50 c each, 500 at 45 c each. and 1000 at 40 c each ; 5 -inch pots, $\$ 12.00$ per dozen; 6 -inch pots, $\$ 24.00$ per dozen; 8 -inch pots, $\$ 3600$ per dozen; 10 -inch pots, $\$ 60.00$ per dozen'
TRAENOLTY SCHENCK
WHOLEEALE FLORISTE,
Phones, 798-799 Madison Square. 44 W. 28th St., New York City. ANNOUNCEMENT !!!
WE WILL HAVE the cut of 20,000 Jack Plants for EASTER.
WE WILL HAVE the cut of 10,000 Brunners for EASTER.
WE WILL HAVE the largest supply of Maids, Brides and Liberty.
WE ARE HEADQUARTERS for Golden Gate, Uncle John and Chatenay. We are supplied daily with large quantities of all the leading varieties of Carnations.
EVERYBODY KNOWS that in the handling of Violets we LEAD THEM ALL.

You may have any part of the above stock you may want for EASTER by ordering early,

## TRAENDLY \& SCHENCK.

## WE WANT TO MOVE

## SEVERAL HUNDRED EXCEPTIONALLY LARGE

## KENTIA BELMOREANA and FORSTERIANA at $\mathbf{\$ 7 . 0 0}$ each

## SIZES AS FOLLOWS:

KENTIA BELMOREANA, 12 -in; pots, 54 to 60 inches high, 7 to 8 leaves. KENTIA FORSTERIANA, 12 -ia. pots, 54 to 60 inches high, 6 to 7 leaves, This is fine pertect stock and is just what you need for your Easter Trade.
We also have several thousand exceptionally fine LATANIA BORBONICA, in 8 -inch pots, 7 to 9 leaves, 30 to 36 inches high, from top of pot. Perfect stock that we will close out at $\$ 1.25$ each.

WE ALSO HOPE TO BE FAVORED WITH YOUR ORDER FOR THE FOLLOWING STOCK WHICH WE CAN RECOMMEND AS AI QUALITY:


GEORGE WITTBOLD COMPANY,

## For <br> Easter

YOU MAY DEPEND ON US FOR YOUR REQUIREMENTS IN

## Lilies, Hydrangeas,

 Genistas, Spiraea, Gladstonei.
## Rhododendrons, Lilacs, Palms, Eerns, ofeopautive stook.

Our stock is Prime Quality, just right, and as we have no Poor Stock for Sale, Your Interests can be Well Served if you place your orders with us. Shípments Always Prompt.

## Write now for prices, or send your order and be <br> sure you will get prices equally advantageous.



## This is Not Confidential

## A SATISFACTORY EASTER

Is Good Stock, Well Bought and good Customers Well Served. For many years our sole aim has been to furnish such flowers in such shape as to give satisfaction in every respect. For the coming

## EASTRER

We have in sight Longiflorums in Pots and Cut, Roses, Carnations, Astilbes, Violets, Stocks, Mignonette, Lily of the Valley, Tulips, Daffodili, all varieties, Hyacinths, etc., in heavy supply and excellent quality. $*$ * $*$ *
As especially desirable we would mention particularly American Beauty, Bridesmaid, and Bride Roses; Lawson, Fair Maid and Enchantress Carnations. ** * *

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Largest Wholesale Growers of
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 Bulb Exporters to the United States Since 1836.Catalogue Now Ready.
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(ONE MILLION SQUARE FEET OF GLASS.)

## Roses Our Selection \$4 per 100

## Our Easter Price List:

| BEAUTIES | Per Doz. | Bride | 5.00 to | $\begin{aligned} & \text { Per } 100 \\ & \$ 8.00 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| Extra select. | \$5.00 | Bridesmaid | 5.00 to | 8.00 |
| 30-inch | 4.00 | Uncle John ........................................ | 5.00 to | 10.00 |
| 24-inch | 3.00 | Chatenay.... | 5.00 to | 10.00 |
| 20-inch | 2.00 | Liberty.... | 5.00 to | 10.00 |
| 15-inch | 1.50 | Sunrise. | 5.00 to | 8.00 |
| $12=$ inch | 1.25 | Perle. | 5.00 to | 8.00 |
| Short | to 1.00 | Carnations |  | 4.00 |

CUT EASTER LILIES, $\$ 2.00$ per dozen; $\$ 15.00$ per 100.


Book your orders now for EASTER LILIES and other wants.

# J. B. DEAMUD, <br> 51 Wabash Avenue <br> chicago <br> Long Distance Phone, Central 3155. Automatic 9922. 

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THE NEW ROSE WELLESLEY

We have a very fine lot in $2 \mathrm{I}-2$-in. pots at $\$ 25.00$ per 100
Having decided to increase our planting of "Wellesley," we have several thousand first-class grafted

## Bride and Bridesmaid Roses

in $21-2$-in. pots, which we intended for our own use, and which are now offered for sale at $\$ 10.00$ per 100. 1000 rate on application.

## WABAN ROSE CONSERVATORIES, Natick, Mass.

 john n. may, summit, n. J.
all orders filled promptiy with the BEST OF STOCK.

Stook Picked Out for All Shipping Orders Before Sales are Made to City Buyers.

## EASTER PRICE LIST

| MERICAN BEAUTY. Per doz. | Per 100 |  |
| :---: | :---: | :---: |
| Extra long stem.... $\$ 5.00$ to $\$ 6.00$ | Meteor | \$6.00 to \$10.00 |
| 24 -inch stem......... 3.00 to 4.00 | Golden Gate | 6.00 to 10.00 |
| 20 -inch stem......... 2.50 to 3.00 | Perle | 6.00 to 8.00 |
| 15 -inch stem.......... 2.00 | Ivory | 6.00 to 10.00 |
| 12 -inch stem......... 1.50 | Liberty | 6.00 to 15.00 |
| 8-inch stem......... 1.00 | CARNATIONS, fancy | 5.00 to 6.00 |
| Per 100 | ordinary | 4.00 |
| Bride....................... $\$ 6.00$ to \$10.00 | LILIES | 15.00 |
| Bridesmaid ................ 6.00 to 10.00 | " per doz., \$2.00 |  |

# Chrysanthemum Novelties 

Three Money Making Commercial Varieties are:

## MRS. W DUCKAM The Boston C. S. A. Cup Winer, a good yellow, and a grand keeper, 75 c each; $\$ 7.50$ per doz.

 MERSTHAM ${ }^{\text {andill }}$ cury Both certificated by C. S. A. 50c each; $\$ 5.00$ per doz.; $\$ 35.00$ per 100 .We can quote special prices on large lots, as we can supply these kinds by hundred or thousand.
Also the following prize winning novelties: Mrs. A. J. Miller, J. H. Doyle, Dora Stevens, Mrs. H. A. Allen, Emily Mileham, Merstham Red, Valerie Greenham, Lady Cranston, and others, all at 50c each; $\$ 5.00$ per doz.; $\$ 30.00$ per 100.

All the best of last year's novelties: W. Duckham, F. A. Cobbold, Gen. Hutton, Donald McLeod, W. R. Church, Ben Wells, Cheltoni, Harrison Dick, etc., $\$ 8.00$ per 100.

Also Mrs. T. W. Pockett, C. J. Salter, Mrs. E. Thirkeil, F. S. Vallis, W. A. Etherington, Guy Hamilton, and other standard kinds. If you did not receive our list, send for it.

Immediate Delivery, Splendid Stock, Our Motto : Your Money Back If You Want It,

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When the time comes to decide about

## EASTER SUPPLIES

is where can I place my order to insure getting "SELLABLE" STOCK at the right time and at the right prices?

We have made Extra Preparations To Take Care of Your Wants and you will make no mistake by placing yourself in our hands.

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## EASTER PRICE LIST.

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Americas Beauties - Perdoz.
30 to 40 -inch ............ $\$ 5.00$ to 86.00
24 -inch................................ $4^{400}$
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$\begin{array}{r}300 \\ . \quad 200 \\ \hline\end{array}$
12-inch
. 1.50
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Brides
Brides
Maids Special A Stock. 89.00 Per 100000
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Rases-Our Selection.......................... 00 to 1500
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Common Feras, per 1001. 83
Galax....
Smilax-Extra Heavy........ 1500 to 1800
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Single Jnaquils.................. . 50 to 1.0 )
Single Joaquils............. .so to 1.01
Forget-me-nots...........
Forgel-me-not.
Pioleis
bouhle.................................... to 190
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## Fancy Faster Lilies.

We can furnish select blooms and which have been especially grown for us by one of the most successful Lily Growers in the country.

Advise us as to number desired, either FLOWERS or PLANTS, and we will take pleasure in quating.

We ship direct from greenhouses, which means but one handling between grower and buyer; thereby eliminating to a very large extent, the chance of bruising in rehandling. (Worth your while to consider this.)

## Easter Novelties and Requisites.

 Easter Chicks, Fancy imported. $\$ 3.00$ Easler Ducks, Fancy imported... 3.00 Collon Chicks and Ducks. 25 c to 1.00 Mals, plain and fancy, $\$ 2.00$ to 2.50Waterprool Crepe Paper.............. 2.25
Common, all colors................ . 75
Fancy Pearl Corsage Pins.. assorted colors, 15 c to 1.00 per doz.; per gross $\$ 1.00$ to $\$ 0.00$
Doves, 1 st quality. 12.00

2nd quality.......................... 10.00
3rd quality 800
Violet Tin Foil, per lb., $35 \mathrm{c} ; 3 \mathrm{lbs} ., \$ 1.00$; 100 lbs ., \$25.00.

## Boston Ferns.

 Choice Stock. Doz.5 -inch $\$ 5.00$
6-inch....................................... 8.00
7-inch......................................... 10.00
Write for special price on quantity. Azaleas, Lilies and other Pot Plants.

Send us a list of your requirements for prices.

# E. F. WINTERSON CO. 

## Bassett \& Washburn's easter lilies <br> 25,000 Fancy Japanese Longiflorum Lilies averaging three to five blooms to a stalk. Price, \$2.00 per dozen or \$12.00 per hundred.

We also grow fancy Beauties, Liberties, Brides, Bridesmaids, Chatenay and other fancy roses. Fancy Carnations, Bulb Stock and Greens of all kinds.

# Office, 76 Wabash Ave., CHICAGO. 

## Greenhouses, <br> Hinsdale, III.

## H. WEBER \& SONS

 THEIR TWO GRAND NEW CARNATIONS

## My Maryland ANO Jessica

## MY MARYLAND

 is already well and favorably known, having been exhibited freely at the various flower shows and florist club meetings the past Fall and Winter, and in every case elicited the highest praise and most favonable comment. We pick this variety to quickly and easily displace all other whites for first honors, not only in exhibition, but in commercial points as well. We claim for it a robustness of constitution quite unequaled in any other variety and an ease of culture that will delight the heart of the grower. The great vigor of both parents (Norway $\times$ Lawson) seems united and improved upon in this variety.
we have, in the red and white variegated class, what My Maryland will prove amongst white. It is descended through several generations of variegated seedlings of Hellen Keller and Bradt extraction on the one side and Lawson on the other. A strong, thrifty growing variegated seedling bearing the seed. It is a trifle heavier in growth than My Maryland and just Lawson height. Aside from these differences and the color, the desciption of My Maryland applies to Jessica. Under favorable conditions four-inch blooms are not uncommon. We pick Jessica to win over any other variegated variety.

Both of the above arefree propagators. We are horoughly familiar with them and snow what they will do. We will be in a position to deliver stock early and on time, and assure the trade that no disappoinimenis williesult on thst score.

We have slready booked many orders. It pays to be esrly. Orders booked are subject to cancellation by the buyer if unsatisfied with ether variety up to the time the cuitinga are received.

PRICE: $\$ 2.50$ per dox.; $\$ 12.00$ per $100 ; \$ 100.00$ per 1000.

# BEGIN NOW <br> TO SEND YOUR 

Easter and Spring Orders to US.


## OUR AIM

Is to supply our Customers with the best and latest in Cut Flowers, Supplies and Novelties. * * * * * We handle the output of

## 30 GROWERS

Make Wire Designs, handle all Florists' Supplies and are Headquarters in Northern Ohio for Hardy Ferns and Galax Leaves. ORDER NOW

## Cleveland Cut Flower Company,

52 and 54 High Street, CIEVELAND, 0.

## TheEverlasting Greenhouse Bench HAS BEEN FOUND.

A Tile Bench With Tile Legs, Easy to Put Up, Movable and Hever to Wear Out. Each Piece Interlocks, Making the Bench one Solid Piece.


T1HIS tile bench is made in double compartment slabs fifteen inches wide and any length desired to 26 inches, according to the width of the bench.
The height of the bench is 2 feet to the top of the sideboard, which makes the bench alone stand 18 inches high.


Some Good Points.
Quicker to put up than wood. Is no home for bugs. It will last forever.
Will never sag or fall down, as it has about five times the support that a wooden bench has. It is porous.

## $\xrightarrow{\text { afents }}$ Cleveland Cut Flower Company,

 52 and 54 High Street, CLEVELAND, OHIO.
## Faster Lilies Saster

## 60,000 Lilies Ready.

Stock Superb. Per 1000.................... $\$ 125.00$

## ——ALSO -

Hydrangea Otaksa, 3 to 16 blooms, at 25c. per bloom.
Azaleas, all sizes, from $50 c$ to $\$ 3.00$ each. Spirea Cladstone, Rhododendrons, Deutzias, Cenistas,
Hyacinths, Tulips, Daftodils, in pots and pans.

# Cut flowers 

Roses, Carnations, Cut Lilies, Tulips, Daffodils, Asparagus, Smilax, in any quantity.

## PRICES RIGHT.

Lakeview Rose Cardens

## JAKIESTOWN, N. Y.

## Wholesale TRADE LIST.

Asparapus Plumosus Sprongorl and Decumbene, $3 \cdot$ inch pots, 75 c . per doz., 85.00 per 100 . Ampeloosis Voltch, 3 -1uch pots, 75 c . doz., $\$ 5.01$ per 101J: 4 -inch $\$ 1.50$ per doz., $\$ 10.00$ per 100 . Clomatis, large floweriog variety, 2 years old, 5 inch pots. 8300 per doz.
Dracasna indlvisa,: 3 it., 75 s per doz., $\$ 5.00$ per 100; 4 4/3-in. pots, pots, $\$ 2.00$ per doz.; 6-in. pots $\$ 3.00 \mathrm{p} 4 \mathrm{r}$ doz.
Caranlums, scarlet, pink and white, 3 -inch pots 60 c . per doz., $\$ 4.00$ per 100.
Honaynuckle (Halleana), 5 -inch pots, $\$ 1.50$ per doz.; $\$ 10.00$ per 100.
lvy, hardy, large leaves, 3-idch, 75 c . per doz., 85.00 mer 100; 4 in. pots, $\$ 1.50$ per doz.: $\$ 10.00$ per 100 . Hoon Vinos, 3 -in. pots, 75 c , per doz., $\$ 5.00$ per 100. Vnoas,
100: $41 /$-in. pots, 81.50 per doz. per doz., $\$ 5.011$
pe Nyosorls, clumpsirom open ground, 6us per doz panslos, separate colors, yellow, white and blue
Panslos, separate colors, yellow, white and blue \$3. 60 per 100.
Polnsoltias,
Painsoltias, stock plaots dormant, 5-inch pots
Stook Irom $21 / 2-\ln$. pols, $\$ 3.00$ per 100. Asparagus Plumosus, Comorensis, Sprenger a ud Decumbens, Alyssum, Little Gem, Aotirrhinum, white; Abution Savitzili: Ageratum, blue and white; Coleus, Verschaffeltii, Golden Bedder and lancy varieties, Cob:a scandens, Clematis padiculata, Dracada iudiviba, Fuchsias, doubie Sad sionge; Feverfew, Lithe Gem, Geranium Mme Sallerot (strong and Mrs. Parker: Lobelin white: Phlox Drummondi dwarf: Salvios Sun sevierla /eylapica Swaidsona uba Verbenes mammoth varietics, Impatiens Sultani.
Chrysanthomums, test stundard varleties, rooted cuttings, from soil, $\$ 20$ per 100 )
Carnations, pot grown. per 10k): Enchantress
 83.00. Strong rooted cuttines from soil, per 100 Flori Hill, 'quéo Louise, Scott, Joost, Crockיr, 81.50: Craue. 82.141 Edebantress, 83.00.

Carnallons, for summer Howering. Mra, Fisber clamet i ulern Fid, from 8011 , 20.00 per 100.
 C. Eisele,

11th \& Jefforson 8is. PHILADELPHIA, PA

## WHEN WE SAY THAT WE CAN FILL YOUR ORDERS WITH THE

# BESTEASTER STOCK 

That can be found on this market, we talk direct from the shoulder, for we can fully back up our assertions,



Because we carry the kind of stock that you are looking for, as we make a specialty of producing high grade stock of all kinds. For Easter we shall have an extra fine quality of Harrisii in large quantities, as well as

## ROSES AND

## CARNATIONS

In addition to the cutting of a choice line of stock from our own large greenhouses, we also handle the production of a number of the best growers in this city, thereby placing us in a position to fill all orders in a very satisfactory manner, as a trial order will convince you. We are cutting heavily of Maids and Brides of extra fine quality. Also a choice variety of high grade Carnations. Easter Lilies will be equal to any demand. However, the long stem grade will be scarce. It is on this grade that we will be particularly heavy.

So if you wish to avoid disappointments and want your orders filled satisfactorily, just give us a call and you will be more than pleased that you called upon us.

## J.A.BUDLONG

## 37-39 Randolph Street, CHICAGO. <br> Roses and Carnations A Specialty..... wimicl CLOWERS

## Chrysanthemums.

Dr. Enguehard, Wm. H. Duckham, from 2, in. pols, at $\$ 10.10$ per 100. \$1 50 per doz.
Nlle. Marie Liger, Yellaw Eaton, Ethelyn. Niss Alice Byron, from $24-1$. pots, at 4.00 per 100; $\$ 3 \overline{5}, 00$ per $10(4)$.

General Assortment.
Tha following from 23/4-in. pots, $\$ 3.00$ per 103; 825 un per ju00.
Rontad cuttings, \$2.00 per IC0: $\$ 15.00$ per 1000. WHIIE Early-George S. Kalb, Polly Rose, Whinwbrook. Nid-Sensum-Miss Minnte Wanamaker, Ivory, Mrs. H Robingon, Niveus, Queen. Liate-Mis. Mcartbur, Jimothy Eaton, W. H. - radwork.

PINK. Early-Glory of the Pacilic. Mid-Season-Plak 1 vory, J. K. Shaw, Adela, Mrs. 1Perran. A. J. Balfour. Late-Maud Dean, Lavcharn, The Harriot.
TELLOW. EARLY-Monrovia. Mid-Season La lencher, Vajor Bonnafod. Mra. Trunor Golded Gite. RE13.

BRONZE.
© Sullingfordi.
kiate Broombead.
A. N. PIERSON,

## Roses.

Grafted and own root stock of the following varleties of Roses: IVORY, Bride. Bridesmaid. Meteor, Madame Hoste, Golden Gate, Mrs. Pierponi Morgan, Mme. Abel Chatenay. Grafted, $\$ 15.00$ per 100; $\$ 120.00$ per 1000; for A No. I stock; nothing else will be sent out. The above varieties on their own roots, from 21/-in. pots, $\$ 5.00$ per 100: $\$ 45.00$ per 1000 .
Suarise. On own roots, from 23/-id. pots, 88.00 per 100: A pril. May and June delivery.
American Sheauty. Owu roots, from 213-in. pota, 88.00 per $100 \quad \$ 75.00$ per 1000.3 1n. stook Jude delivery.

## EXTRA FINE

CRAFTED
I L L A M N E larger $2 / \mathrm{in}$. pots, $\$ 25.00$ per 100. Special prices for

## Carnations.

Footed cuttings now ready of all reliable and well-known varieties. Send for price list.

Cromwell,

[^15]
## Newport, R. I.

## TRADE Y'ERY BRISE.

A splendid meek to look back upon is everybody's report of the past six days. The weather has been perfect, and both large oriler business and retail counter trade has been very active with the seedsmen. The frost is about out of the ground, and, although the soil is not yet wholly settled much early planting is being done. Potatoes, oats, grass seeds, sweet peas and onion sets are going into the ground fast As stated weeks ago, everything bids fair for the best season we have had in years, not only with the seedsmen but in every branch of the agricultural and horticultural trade. Onr florists have had a busy week and are now looking forward and preparing for the Daster business which even now is being talked of as a large trade.
F. L. Zeigler has had an especially good run the past week on funeral orders; he has been receiving some very fine pansies and violets.
Gardeners and caretakers of grounds, etc., state that the season, so far as being able to clear up places is concerned, is at least two weeks behind last spring

Alexander Alam will take charge of the glass and gardens at Oakland Farm for Alfred G. Vanderbilt. Mr. Adam has leen for many years head gardener to Eben D. Jordan at Chiltonville, Ply mouth, Mass.

The first prize of $\$ 15$ for twelve blooms of American Beanty roses, awarded by the Massachnsetts Horticnltural Society at their recent spring exhibition, went to Arthur Griffin, gar dener to Commolore E. T. Gerry at Seaverge.

Carl Iurgens and wife have gone on a two weeks' visit south, and will return in season for the marriage of their son, Carl Jurgens, dr., to Miss Florida Hubbard, April 10. Their daughter, Mrs. Parker, is here from Providenee to remain until their return.

The monthly meeting of the executive committee of the Newport Horticul tural Society took place last Saturday evening, when matters were tiseussed that will lue presented to the soeiety at its regular April meeting on the 5th. Many matters need adjustment, and the mocting will be very largely attended.
The Newport ITorticultura] Society is arranging the sehedule for its coming shows. It is proposed to have one at least in the rasino, the dates to be determined later. The rose and strawherry show will hre in Jone and the summer show in the Newport Casino the latter part of August or early in September. 'The latter show will he an exhibition especisally for the summer people and Nowport visitors and will be one of the sorinty reents of the coming season.

Abliance, O.- Gieorge 1月. Bowhiteh, formerly foremin of the lochlmann Brothers Company, at Morton Grove, lli, js now miurager of the Lamhorn pharal 'umpany of this aity, in which in has an intorrst. This compmy has just. lown inenroorated and intands to (ill baila the same imomani. next year to erefor and flawars exilnsively. The Joha C. Moninger Comprayy, Chicago, h:1s the contract.

# SURPLUS 

 ——OF
## THE ELIZABETH NURSERY COMPANY.



## 600,000 ROSES.

in 2-INCH POTS.
We have one of the finest stocks of well-grown Roses in 100 varieties, in 2 inch pots in this country. We will be glad to estimate on order for this Spring or future delivery, $\$ 25$ to $\$ 35$ per 1000 .

## Mawson, Everarn <br> Guergran <br> Jursey leanty, <br> Philadelphia. <br> so. Orange Porfectiou <br> Whire fambler. <br> -llow Rimbler

## HYERID TEA ROSES

buchrss uf Alhany, firussan Teplit\%.
Ielane Camliar.
Mime. Jog. sillwartz.
Mme. schwaller. Eaisurin August:
Mme. F. Kruger

Wme. Cochet,

> EVERELDOMING TEA ROSES.
> bardros. tla 1:ralann
> fimen (xate showlatio
> Prorla des , Iardine
> brilesmaid
> Fitoile da Lio
> Highitand Mar
> La Princess Varis

## 30,000 ROSES.

4-inch pats, For varimtios eme wholesatu list.

## HYBRID PERPETUAL AND MOSS.

## Alred Colomb, Clio. <br> Anue de liosbach. General Tacqumminot, <br> Mragum('hat til. Gloire Lyounaise,

HERBACEOUS PLANTS.
We have upwarts of 300,000 fieh wrown plants not inelnhtug 45 varindin of Mardy Phlox and 200 rarieties of rendies, and over 200.000 -inch pot plants. see wholesine list for varielies.

PEONIES. Fer 100
N":med varietirs. . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 10.00$
Large donibly pink...................................... 6.0 Prince of Wialos, pink larue clumps, 8 to 20 . 12.00

## PHLOX, FIELD-GROWN

We have 30 varieties in tick-grown plants at St 00 alld th 00 mer 100. Ahout 0,000 Phlos in 2


## HARDY POMPON CHRYSANTHEMUMS.

Prer 100

Berberis Thunbergii, 10 to 12 -inch, for transplanting. $\$ 3$ per 100; $\$ 25$ per 1000 .

# The Elizabeth Nursery $\mathbf{C} 0$. ELIZABETH, N. J. <br> PLease mention the American Florist when writing. 

## BOSTON FERNS.

Fine bushy plants for Easter and Spring saies. 3-inch, $\$ 3.00 ; 4$-inch, 815.00 ; 5-inch, 625.00 per 100 ; 6 -inch, $400_{;} 7$-inch, $00:$;-inch, 750 each.

CASH WITH ORDER.
W. B. DAVIS, Geneva, III.

Please Mention The American Florist When Writing.

## For Easter..

## LONGIFLORUNS.

Our Lilies are packed at the greenhouse, 75 in a box, and shipped to buyer in the original packages thus avoiding bruising by repacking and handling. Quality and care have made us headquarters for those who desire the best LILIES for Easter.

## WHITE LIIAC.

Our Lilacs have been in great demand this season. We have had an extra amount brought out for Easter so as to be able to fill your orders.

$$
\text { TULIPS } \begin{gathered}
\text { Double Murillo } \\
\text { Yollow and Whito }
\end{gathered}
$$

DAFFODILS, JONQUILS, VALLEY, White and Purple DUTCH HYACINTHS, These have been our Easter specialties for years.

## ROSES AND CARNATIONS

To please the most careful buyers.

## AMERICAN BEAUTY and LIBERTY. VIOLETS.

Hudson River Grown.
WE SOLICIT CORRESPONDENCE IN REFERENCE TO ANY LARGE AMOUNTS OF ANY KIND OF STOCK YOU MAY NEED.


# A. L. RANDALL COMPANY 19 RANDOLPH STREET, CHICAGO. 

## Easter Lilies

We have an immense stock of Longiflorums, both cut and pot plants, in prime condition. We can take care of all your orders for Lilies and also all other flowers at lowest market rates. Write, 'Phone or
 Wire us-We will do the REST.

## FOLDING CUT FLOWER BOXES

We are agents for the largest and best equipped Box Factory in the country. Our boxes cannot be beaten in quality. Our prices are right. There are lower prices than ours-the quality is also lower. GET THE BEST.


## Holton \& Hunkel Co.,

 Without Doubt the Best Equipped Wholesale House in the Country. 462 Milwaukee Street,MILWAUKEE, WIS.

# FOR EAST Beauties, Brides, Maids, Liberty, etc. <br> <br> LILIES, CARNATIONS. <br> <br> LILIES, CARNATIONS. <br> Bulbous stock in variety, and everything else in season. Let us have your order early so as to enable us to furnish you just the kind of stock you want. <br> The <br> Benthey=Coatsworth Co. 35 Randolph St., CHICAGO. 

## FOR <br> 

We can offer you prime grand stock, such as you can get nowhere else.
LILIES, cut and potted.
VIOLET PLANTS Usalaty in noed demand


## FANCY CARNATIONS.

BULBOUS STOCK IN SEASONABLE VARIETIES.
MARGUERITES, Growing Plants in Fine Shape VIOLETS, STOCKS, PANSIES. In fact, everything seasonable you may need in Cut Stock and Potted Plants.

## FORD BROS. 48 west 2 ght st, NEW YORK

## Extra Choice Long Stemmed

 ES Cut and P1ants. Samuel S. Pennock,



> CUT FLOWERS IN ABUNDANCE. NO SHORTAGE HERE. * *
 CARNATIONS, every variety From Best Growers. Tulips, Hyacinths, Daffodils, Narcissus, Lily of the Valley, Daisies, Lilacs.
THE LARGEST VIOLET HOUSE IN AMERICA.
There is Nothing You Can Order in Season I Cannot Supply AND YOU CAN RELY OH THE QUALITY. $* * * * * x$

## 

57 West 28th Street,
Telephones, $2200-2201$ Madison Square.
NEW YORK.


## For Easter <br> After Easter

We will be in our new quarters, the entire 4 -story building, located at 228 Diamond St., and we will be better able than ever to look after your interests. Give us your Easter order and we are positive you will not be disappointed. We are headquarters for the finest line of

# Home Grown Carnations 

In Western Pennsylvania.
Also Carry a large variety of fancy Beauties, Liberty and Tea Roses, Hudson River Violets that are unsurpassed, Lily of the Valley and Bulb stock in large varieties.
We are making a specialty of potted plants, and at present have a large quantity of Azalea, Longiflorum Lilies, Cyclamen, blooming Rose Bushes, etc., to dispose of. Consignments solicited.
Write for our weekly price list. Store open from $7 \mathrm{a} . \mathrm{m}$, to $8 \mathrm{p} . \mathrm{m}$. week days, Saturday all night, Sunday 8 a . m. till noon.

# Pittsburg Florists' Exchange 

 Wholesale Commission Florists. P. J. Demas, Proprietor. - 228 Diamond St., PITTSBURG, PA. Phones, Bell 1259 Court. P. A. 1547 Main.



## Geraniums <br> COLELIS....

10 varifiea, fine plants, $21 / 4$-in. pots...... 8300 10 varieties, fae plants, $31 / 6$-ie. pots...... 400 Alternantheras, red asd yellow................ 2.00 Asp. Plumosu Nanue, 23i-1n. pots. Asp. Sprongorl, 2kin pots...................... 2.0 Vorbense. $\qquad$ 200
$\qquad$


Please mention the Amertcan Florast when writing.

CASH or C. O. D.
ROOTED CUTTINGS Sweet Peas
Carnalions and Chrysanthemums. Strong bol
WM. SWAYNE
Box 226, KEMNEIT SQUARE, PA.

JOS. H. CUNNINGHAM, Delaware, Ohio.


Per 100 Potunlas dosble ................................. . . . 3.00 " seedlings.................................. 2.50
Contauroa Cymnooarpa .......................... 2.00
Primrossa, Chisese, Uboonioa and Forbesi
$\qquad$
 віансн ferry.
Can make large or small shipments from now till end of June. Write or w' t .
frank mgGoWan Utica, N. Y

# GEO. REINBERG 

## 51 Wabash Avenue, CHICAGO.

Our cut all season has been something wonderful for both quantity and quality. At Christmas we had a cut, especially of Beauties that was the wonder of the Chicago market. We are right

## IN LINE FOR EASTER

With another very heavy crop, and quality Al. Let us supply you for Easter. We can give you what you want and ihe way you want it. And will do it; just send us your order.

## AMERICAN BEAUTIES.

Use the letters to indicate lenglh and price.
Extrat Longsiclected-X.... . . . . . per doz., \$4.00 to \$18.00
32-36 inch - $A$. . . . . . . . . . . . . . . . . . . . per doz., 3.00 to 5.00
$28-30$ inch B.................................er loz., 2.50 to 4.00
24-26 inch $($. ..............................er doz., 2.00 to $: 3.00$
18-21 inch $1+\ldots . .$. ......................er loz.. 1.50 to 2.00
12-15 inch E...................... . per iloz., 1.50

Short Stem 1i................................erer 100, 4.00 to 1.00
Ilarrisii $\$ 10$ no to Per 1100
Callas.
Tulips.
Daffodils
Narcissus
3.00 to 400

Sclect Violets.............. . . . 10 to 1.01

ROSES.


## GREEN GOODS

smilax
Adiantum
Asparagus Plimosus
per doz. $\$ 2.00$ to 83.00
..........per 100, 1.01
jer 1000 , 3.00



1 can quote you prices any time on large fuantities of either Roses or Carnations for a special salc or funcral work at a low price. I solicit your esteemed patronage. We have the goods. Buy direct from the firower and get the best stock, at the right price, and the best all-around treatment. Fou save money by so doing both in price and fuality of stock.
800,000 SQUARE FEET OF GLASS. WHY CAN'T I SUPPLY YOU?

Hease mentaon the A meracan Fiorast ahen writing.

## Pansies 200,000 Pansies

Fine large transplanted plants, prize strain
of the famous larpe flowerfag Bugnots, Caslram, end frame 50 c per 100 . Stocky plants Extralsrge plants coming in bud 81.00 per 100 large planta coming in bud, 1.00 per 100.

Mammoth Verbenas. 600 per 100: 85.00 per 1000; 23/in., 81.50 per 100
Stocks, dbl. white for Easter, 1 per 100; \& per 1000 Daistes, dbl . white, 75 c per $100 ; 8500$ per 1000 . Foverfew, dbl. white, 81.00 per 100: 88.00 per 1000 Saivia Splendens, 81.00 per 100.
Lobelia, dwarf blue, 81.00 per 100.
Ageratum, dwarf blus, 600 per 100 .
Roses. Clothilde soupert, in bud or bloom, 4-lnch 812.00 per 100.

Geraniums, Nutt, Ricard, La Favorite. Viaud and Poltevine, 4 -in. in bud a ad bloom, 66.00 per 100. Petunias, donble iringed; dark biue Heliotropes, bud and bloom, 4-inch, 86.00 jer 100.
hill top greenhouses, is Gray Ave., Utica, n. Y.

\section*{CARNATIONS | special |
| :---: |
| PRICES. |
| $\substack{\text { PR }}$ | <br> Per jom}

Per loth
Florisns.

# 50,004 Queen Jouise ready now, the others the lather part of April and early in May. 

## GERANIUMS.

Big lot of rooted cuttlags ready the 17th. Send for Summer l'rice List
SMITAX.
If you buy 25 plants or 250 send for prices, I bave SMILAX and ASPARACUS In may quantity, well-grown and carelully packed.

## ALBERT M. HERR, Lancaster, Pa.

## Iudianapolis.

mUSINESS QUIET.
Business in this city is rery quiet at present, so much so, in fact, that the local output of cut flowers is more than sufficient to supply the demand, and many a box of fine roses aud carnations is slipped to outside markets. Violets, it is safe to say, will not hold out till Easter, owing te the warm and bright weather prevailing. Bulbous stock will also be out.
The State Florists' Association of Indiana held its spring show in the state house. It was well attended, exhibits were rery creditable and the financial results were all that could be expected. In pot plants the local flerists naturally were stronger, but in cut flowers many of the outside members took high honors. In connection with the show a short business meeting was held.
The premiums were awarded as follows:
Carnation.-White, Baur \& Smith, first; E. G. Hill Company, second. Pink, John Hartje, first; Baur \& Smith, second. Light pink, W. W. Coles, first. Red, E. G. Hill \& Company, first. Any other color, John Hartje, first; Bertermann Brothers, second. Novelty (certificate), Weber \& Sons, Oakland, Md., for Jessica, My Maryland. E. G. Hill \& Company for Cardinal.

Daffodils. - Bertermann Brothers, first; E. Huckriede \& Son, second.

Sweet peas.-Baur \& Smith, first.
Hyacinths.-E. Huckriede \& Son, first; H. W. Rieman, second.

Two pans of tulips.-Bertermann Brothers, first; H. W. Rieman, second. Cineraria. - Bertermann Brothers, first; H. W. Rieman, second.
Cyclamen. - Bertermann Brothers, first.

Primula.-H. W. Rieman, first; Bertermann Brothers, second.

Azaleas.-Bertermann Brothers, first; H. W. Rieman, second.

Spirea.-H. W. Rieman, first; E. Huckriede \& son, second.

General display.-Bertermann Broth. ers, first; H. W. Ricman, second.

Roses.-White, W. W'. Coles, first; E. A. Nelson, second. Pink, W. W. Coles, first; E. A. Nelson, second. Red, W. W. Coles, sceond.

Some competing exhibits of high merit were:
A decorative group of pot plants and cut flowers, for which a vote of thanks was tendered to A. Wicgand \& Son.
Two fine specimen plants of rhodo deadron, E. Huckriede \& Son.
Vases of Candace, a pink carnation of hish merit shown by John Hartje and Indianapolis Flower \& Plant Comspany.

## Notes

E. A. Nelson is reported sick.
S. Smith has returned from a business trip in Texas.
Baur \& Smith and Smith \& Young Company are making rapid strides with their building.
A baby girl has made its appearance in Martin Nelson's family.

Winters, Cal. - The Vemen's Improvenent Club will hold a floral festival conmencing April 13. Prizes will le given for tho best display of reses ant for the best single rose of named variftics. The proceerls will go towards assisting in building the new fown hall.

## Vaushan's Forcing Bullss. <br> 

Our arrangements for high grade bulbs of Lilium Harrisii, French Romans, Paper White Grandiflora, Callas, Japan Longiflorum, London Market Valley and picked bulbs of all Dutch Hyacinths, Tulips, Narcissus and Spirea are unexcelled.

By combining your order for a full line of this stock with us, you get each in season and all at the closest cost for high-grade stock. Economy in carload freight ship. ments and large importations supply half our profits.
We can save you money on this stock. Write us for prices before buying.
Dulch Miniature Hyacinth L'INNOCENCE.

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THE most prolific flowering Red Rose in the market to-day. Grows finely in same temperature as Brides or Maids, and will produce fully as many first-class flowers as either.
2 $1 / 2$-inch Pot Plants, own roots. s............ .$\$ 10.00$ per $100, \$ 80.00$ per 1000 Strong Grafted Stock from 3-inch pots.

## The STORRS \& HARRISON CO.

## PAINESVILLE, OHIO.

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ACERATUM, Gurney. ALTERNANTHERAS best redand yellow, $50:$, fi 00 per lCon. COLEUS, best bedders, 60e. FUCHSIA Trophee and other dens, 900. HELIOTROPE blue PETUMIA 10 best sorls HELIOTROPE, PETUNIA, 10

BYER FLORAL CO., Shippensburg, Pa.
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## ASPARAGUS PLUMOSUS

Nice stock from 2-in. pots. ${ }^{2} 225$ per $100 ;$ 解 0.00 per 1000: not less than 501 at 1000 rates.
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Cannas. We haves,$\phi 00$ from $3-1 a$ pots, read May 1. at $\$ 5.00$ per 100 , in 20 best varieties.
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Last call for ruoted cuttings. Wm. Duckham, Monrovia, Alice Byron, Mes. Coombes, J. K. Shaw and others at $\$ 1.50$ per $100 ; 2$ and $21 / 2-$ inch plants, $\$ 3.00$ fer 100: Dr. Enquehard rooted cuttings, $\$ 3.00$ per 100 Pot plants, \$5.C0 per 100.
complication. All good, strong, healthy stock, true to name.
GUNNAR TEILMANN, MARION. 10,000 SHASTA DAISIES

That must be moved quick, (land sold).
Catch this: 80c per doz; ; $\$ 3.00$ per 100 ; 825.00 per 1000 , prepaid.

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Mamaa Cechet
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82.50 per $100 . \$ 20.00$ per 1000.

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HARDY PINKS, feld-grown, 5 sorts, 3130.
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DOUBLE DAISIES. Snowball, Longfellew, 路50
per 1000 , in bud and bleom.
ABUTILONS. 2 varieties, 2 S-luch, $2 y / \mathrm{e}$. 17.50 per SRLVIAS, $2-10 .$, Boodre,
CERMAN IRIS, divided roots, $\$ 1.00$ per 100 . VINCA VARIEGATA, 2.ia. 2c.
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FORGET-ME-NOT, Everblooming, 2 in. $1 / 2 \mathrm{C}$
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COREOPSIS Lancllolla, field, 2
ACERATUM, Gurbev, Panline, ALTERNANTHE RAS, red and yellow: 2-incb, \$2 00 per 100 ALYSSUM, Giant double, 2 ia., $2 e$.
Rooted Cuttings, per 100, prepaid: Hellotropo 750. Ageratum, whlte, Guroey, Pauline, 50c. Salvia, Splendens, Boatre, Silverspot, q0c; 88.00 per 1000 . Fuchela, 5 beat Varieties, 90e Hardv Plnks. 6 varieties, some everbleaming 750; 8500 per 1000 Dbl. Patunlas, 10 doest. $\$ 1.00$ Altornanthera. red and yellow, Ce: Stovia, Serata, 75 Cl . Clant Daisy 1000 . Stevla,
81,00 . Coleue, $60 e$, , $\$ 5$
500 per 1000 . 'Mums, West, ern King, Weeks, Ilalliday, $\$ 1.00$. VInca' Varie. gata, 80 c . Foverlow, Gem, $\$ 1.00$.

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## Salvia Splendens and Bonitir.

21/2-inoh pots. Fine plants. ge 00 per 100

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Dreer's eollection, in 3 -ioeb pots, $\$ 3.00$ per 100 200 for 85.00
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ursery stock, pot-growa foreiog plants. Lilses a speeialty. Berlia and llamburg lailes-the bestquality. Catalogue free on demand.
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Now ready for immediate shipment bloomiti Easter Stoek for Easter wek or becore if debired I am noted and bave a reputation for the past 15 years for rasiog and slipping eloice Naster plants throughout the land. I have 9 houses, the frames crowded than ever before
AZALEA Mme. Van der Cruyssen, : lerfect post's model, as round as an apple, none such in existence in America. Gheaperthan any where "be Jnst tbink, plants with 125 to 200 and more buds and tlowrrs 75 eents, $\$ 1.00, \$ 1.85$. $\$ 1.50, \$ 1.55$ to $\$ 200$ Hach. Other varieties from 75 cents. $\$ 1.00, \$ 1.25$ to *1.50 cat
RULIUM HARRISII and JAPAN MULTIFLO. RUM, ( lictel s special bulbs, b-ineh pats. 5 to $\checkmark$ buds to a plant, 10c per bud, below 5, 12c pe bud. io lilies sold by themselves.
CINERARIA, $11 y$ brida, best straio, all sbades 6-imel pots, $2.00 . \$ 3.00,84 . c 0$ and piok und lew white, $\$ 5.00$, $\$ 6.00, \$ 900$ and \$12.00 per doz.

SPIRAEA Glaristoneare the finest we have ever handied. A Holland speeialist Iurnished us with fivtra bulbs last fall: 6-inch pots 50 to 75 eent each. other varieties. Such as Floribumba, , lap-


ROSES, Ameriean Beauty, 6-inch nots, busby,
84 to 30 inches high, 50 to foe each; 5 -ineb, 30 c 84 to 30 inches high, 50 e to 75 e ench; 5 -ineh, 30 c
to 35 e faeh. Hardy Jybrid Roses, ideluding to 35 e raeh. Hardy Hybrid Roses, ineluding
Hermosa, 5/2-inch jets, $\$ 3.00$, $\$ 4.00$ and $\$ 5.00$ per doz.
BEGONIA, Pres. Carbot, Flambeau, 3 good benches in all; 6 -iboll pots, $\$ 300$ to $\$ 4.10$ per doz; 4 -inch, $\$ 1.80$ per doz, ARAUCARIA
EXCELSA, 7 -1meh pots, $t, 5$ and 6 tiprs, 5 to $3 t$ EXCELSA, Fiaeh pots, 4,5 and 6 tiers, 5 to 3
inches biuh, 11.50 each. FICUS ELASTICA 6 to 7 -ibeh pots. 5 to 35 inelies bigh, $\$ 600$, $\$ 9.10$ and 91200 per doz
WHITE DAISIES, 6 -inch pats, $\$ 300$ per doz HYACINTHS, mixed, from first-size bulbs, my own importation, Grant Maitre, Kiag of the Blue Gertrude, pink, Grandiflora, white, $\$ 1 \approx 00$ per 100 VON SION, double-nosirl taffodil, tbe bur donble pareissus grown, 5 to 6-ineb puth, full of
TOURNESOL doublit tulips sell at sitht: 3 in CINERARIA II Bridit, in 100 beautiful co'ors MOONVINE, A. W.smith"s Hybrid, s5.C0 per 100

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pleasure to get such stock. Jours truly,

Lindsay leofal. ('o N. Motb St Ilflena, ARK, Mareli 17.
Dear Sir:-The Izaleas you shipped me at different times during the past winter, I bave found to he most satisfactory plants, alway ry ady sellurs, as were also your drauearia lixeelsa. Am glad to know just where to look when in need o
fanos stock.
Yours truly, Oklahoma Agricultural and Mechan cal College. Stilwater, Verember 10, 1404. Cobrber Accunann, Fhilintelphia, P:




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CHRYSANTHEMUMS $-75,000$ of the best varietles now ready to ship, including the best pompon colleclion in the country.
For a short lime only. we make a Spe-
cial Price on Pompons of $\$ 2.50$ per
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CYPERUS ALTERNIFOLIUS (Umbrella Planl) - A nothergrand plant for spring work. We have a thrifty stock of it, from 21 -inch pots, $\$ 2.50$ per 100.
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GERANIUM OROSA AND SNOW QUEEN - Your last chance to secure these grand new bedding varieties. Extra strong from $2^{1}$-inch pots, $\$ 15.00$ per 100.
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LEMON VERBENA-Excellent plants from $2^{1}$-inch pots, $\$ 3.00$ per 100.
LOBELIA GRACILIS-Strong, from 21 inch pots, $\$ 2.50$ per 100.
MIRANDIA-Thrifty stock in $2 \%$ inch pots, $\$ 4.00$ per 100 .
Nephrolepls Bosloniensis, N. cordala compacla and N. Piersoni-Ready for a shift, now in 21,4 inch pots, $\$ 3.00$ per 100 .
SANSEVIERIA ZEYLANICA-Large, from 214inch pots, $\$ 5.00$ per 100 .
SWEET ALYSSUM (Double)-Plant now for summer flowers. From $2^{1}$-inch pots, $\$ 2.50$ per 100 .
VINCA MAIOR VARIEGATA-Bushy, 3.inch pot plants, $\$ 5.00$ per 100 .
VINCA (Green)-Last year's field clumps, $\$ 6.00$ per 100.
Some of the Best Hardy Perennials, ANEMONE JAPONICA ALBA-2 ${ }^{1}$-inch, $\$ 4.00$ per 100.
ANEMONE JAPONICA LADY ARDILAUN- $2^{1} f^{-}$ inch, $\$ 4.00$ per 100.
AQUILEGIA (Columbine) LONG SPURRED 21 inch, $\$ 3.00$ per 100
AQUILEGIA (Columbine) SHORT SPURRED21 -inch, $\$ 3.00$ per 100.
CHRYSANTHEMUM MAXIMUM TRIUMPH${ }^{21}$-inch, $\$ 2.50$ per 100.
DELPHINIUM QUEEN OF BLUES-21 i-inch. $\$ 3.00$ per 100.
DIGITALIS GLOXINIOIDES (Foxglove)-2 $2^{1}$ inch, $\$ 3.00$ per 100 .
HELIANTHUS SPARSIFOLIA-One of the best of its class, $2^{1}$ inch, $\$ 8.00$ per 100. ORIENTAL POPPIES-21/4-in., $\$ 4$ per 100 . RUDBECKIA GOLDEN GLOW-3-inch, $\$ 3.00$ per 100.
RUDBECKIA NEWMANI-3.in., $\$ 3$ per 100. RUDBECKIA TRILOBA-3-in.' $\$ 3$ per 100.
15 in ned of other stock than herwio noted, Write s. us these ar" ouly a small pur eent.
what we have. Send for Catalogue.

NATHAN SMITH \& SON, ADRIAN, MICH.

## Batavia, N. Y

Thomas XI. MeGuire, who has eharge of the lew York Central's greenhouses on Erans street, is now engaged in preparing for the aunual beautifying of the depot yards along the company's road. He will use 62,000 plants this rear and every one will be from the Bataria greenhouses, raised under his personal supervision. The Central has two of these propagating plants. The other is at Ponghkeepsie, but the Batavia house is the larger, having 100 more feet of glass than the former. Mr. McGuire has had eighteen years' experience and has been with the company ten years. He came here from Albion. The work of decorating the stations along the line requires very fine judg. ment and an enormous amount of labor.
"The Batavia greenhouses supply all the stations on the western division and the Rome, Watertown \& Ogdensburg line east of Charlotte,' Mr. MeGuire said. "The western division takes in the main line from Buffalo to Syracuse, and the Falls and Auburn branehes. Plants are used at thirty-three stations on the western division, at four on the Falls branch, twenty-seven on the Auburn branch and at about twenty-five on the R., W. \& O. We also set out plants on the West Shore road at Elba and Newark, at five stations along the Buffalo Belt line, in the yards of the Depew ear shops and at East Buffalo.
"Work will commenee in carnest about May 25 , when I will start in to ship and oversee the planting. I anz allowed a special engine, with two baggage ears, and four assistants, besides the regular train erew. Over fifty varieties of plants are raised here, including eight different varieties of geraniums.
"It takes me about three days to finish the western division and I use in that time 30,000 plants. On the $R$., W. \& O. I also work about three days and use 11,000 plants. I spend two days on the Auburn branelr, using 13,000; one day on the Niagara Falls branch, the Depew shops, East Buffalo yards and Belt line, using 4,000 , and ship 2,000 plants down to Jersey Shore, on the Pennsylvania division. The rest are sent to places where they may be needed. The Batavia houses also send out a large quantity of ornamental shrubs, probably 8,000 each year, which are used in landscape work.'

## Grand Rapids, Mich.

The Grand River Valley Ilortienltural Socioty met March 15 and earried out an extensive programme. The mat. ter of a municipal nursery is being agitated and John Ball park is the proposed site. Prof. Asa TV. Slayton read a paper on "Ornamental Vegetables," deseribing the ornamental arrangement of foorl plants in crowded European \&ardens. John L. Martin spoke on "Growing and Use of Legumes." N. B. Stover spoke of the "Growing and Use of Salad Plants,' stating that lottuee was used 550 years before "hrist and that there were eleven vari-- tirs of lettuce in 1629.

The society extenderl an invitation to the State Horticultural Society to meet in Frrand Rapids for the annual meet-

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 $\$ 9.00$ per 100 LA FRANCEIf You Can Use 500 or More of Any One Kind, get our special prices. They will surprise you. We are over-stocked with these kinds and the first comers get the benefit. They are fine stock.

Send for our complete price list. There are other bargains in it. Use printed stationery. We send it only to the trade.

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grown by mr. e. neubert, wandsbeck, germany.

## ASPARAGUS PLUMOSUS

$21 / 4$-inch pots. A few hundred left at $\$ 2,00$ per hundred.

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ROOTED CUTTINGS
HELIOTROPE, 12 จar., 81.00 per 100; 88 per 1000. PETUNIAS, 20 var., 81.25 per 100; 810.00 per 1000. SALV1AS, 6 var., 81.00 per 100; $\$ 8.00$ per 1000. GIANT ALYSSUM, $\$ 1.00$ per 100: 88.00 per 1000. AGERATUMS, 4 var., 60 o per $100 ;$; 65.00 per 1000. COLEUS, 40 var., 700 per $100 ; 86.00$ per 1000 . Express propzid on alll. C. Cash with orders. Writo S. D. BRANT, Clay Contor, Kan.

# DOROTHY FAUST CHRYSANTHEMUM. 

This is Offered to the Trade as a Sure MONEY MAKER. $\cdots$ How Long Have We Waited for a Really Flrst-Class Late Commercial White?
Mr. H. I. Faust has grown this variety in quantity, several houses each year, for several years, and has, with difflcully been induced to part with it.

The E. G. Hill Co. had this variety on trial last year, and the following description was written by a member of the firm who is considered by many to be one of the ablest Chrysanthemum experts in this counlry:
"DOROTHY FAUST.-Pure snow white, very large, incurved but not globular; petals broad and beautifully formed, somewhat loose in arrangement but of splendid texture; the stem and foliage are as fine as those of Eaton; an easy doer, can be planted very close; blooming at Thanksgiving and later makes this a valuable and delighlful variety, as it is one of the most beautiful in finish and effect."

> MR. W. P. CRAIG, 1805 Filbert Street, Philadelptin
> Dear Sir:-We are ver' glad to say that we think Dorothy Fanst Chrsantbemum a very gond variety indeed. We shipped it with e'egant success, and the llowers arriced at dentination in the trest of shape. It is a gond keeper; has good stith stem, and good form, being pure white, We feel it is a very valuable addition the Chrysumhemum market as a comercian variet,
> SAMUELS. PEASOCK.
> The above letter from "The Wholesale Florist of Philadelpha," who has handled tbis varicty for several years needs no further comment nor do the following:
> MR. W. P. CRAIG. 1305 Fllbert Street, Philadelpaia, Pa
> Pittsburg, Pa., February 23, 1805
> Dear Sir:-It is with pleasure that we state that the Dorothy Faust Chrsanthemm, in our estimation, is nue of the best commercial garieties and will no doubt, prove a proflable one to the grower, coming at a season, when it will command a gomel prien ery truly yours,
> RINDOLIPH \& MeCLEMENTS
> MR. WILLIAM P, CRAIG, 1305 Filbert Street Thiarletphia, Pa, February 15. 190.
> Dear Sir:-We have handed considerable of the Dorothy Fanst Chrysanthrmum, and believe it to be the best late white. The colnr is so pare and the straight tough plable stem does not whap at is the case with somany late ones. We have kept flowers two weeks which still

DOROTHY FAUST is a GOOD GROWER, GOOD KEEPER and a GOOD SHIPPER
Every retail florist in Philadelphia will tell you it is the best late white. The price is so low for such a sterling novelty that all Chrysanthemum Growers can invest with profit. 12 plants for $\$ 4.00 ; 25$ plants for $\$ 6.00 ; 50$ plants for $\$ 10.00 ; 100$ plants for $\$ 15.00$. Special prices on large quantities. CUTTINGS READY, and all orders will be filted in strict iotation.

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## Palms and Asparagus Cheap.

Latania Bor., 8-1n. pot, seed lesves 100 " " 8-in. pot, $15-18$ la., 8 - 8 chr , lvs. 18.00 5-10. pot, 18-20 io., 8 - 4 chr. lve. 16.00 " S-ln. pot, $20-24 \mathrm{ln} ., 4 \mathrm{chr}$, lvs. 20.00 Kentia Bel., $2 \mathrm{~K}-\mathrm{in}$, pot, $6.6 \mathrm{in}, \mathrm{g}$ lesves. 10.00 " $4 \quad 4$ in. pot, $18-16$ in., $4-6$ leaves.. 16.00
Asparagus Sprengeri, $\mathbf{8}$-inch......................... $\$ 8.00$ Asparagus Plumosus Nanus, 8 -inch............. 8.8 .50
SHERMAM MURSERY CO., CHARLES CITY.IA.

## JOSEPH HEACOCK,

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-GROWER OF-
Kentia Belmoreana
${ }^{\text {ond }}$ Kentia Forsteriana

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QUEEN..

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with special discounts. Write now; it might be too late tomorrow.
Julius Roefrs Go, exollo Nurserles,

## Scottii Ferns.

Much more valuable than the Boston Fern, because wlth the most ordinary compact specimen planta. Per 100
 3 Inch...................... 300 20.00 4-1nch....................... 500
Pierson Ferns $\begin{gathered}2 y-i n c h \\ \text { yer } 100 .\end{gathered}$ the conard \& Jones Co. WEST GROVE, PA.
Please mention the A metican Fiovist athen ze, iting.

## BOSTON FERNS.

Extra flae stock, out from bench now ready for $5,8,7$ sad 8 -lnob pota, st $\$ 3500,850.00,875.00$ and t100.00 per 100 . KENTIAS, RUBBERS. ASPARAGUS PLUMOSUS NaNUS. Caah or referedce please.
L. H, FOSTER, 45 kkin stit

DORCHESTER, MASS.

Montreal, Canada.
Prospects for Easter this year are brighter than probably ever before. The flower buying public are fast increasing, notably in the east end, another reason Easter being late, and with less competition than last year, florists are looking forward encouraged by a large variety of good stock on hand for a record breaking Easter trade. It is pleasing to note that to the list of Easter plants several good things have been added. The Baby Rambler makes a really good plant, also Spirea Gladstone with its numerous flower spikes. Lilies will be plentiful nearly all of the longifiorum type. Hydrangeas, Ramblers, spirea, snowballs and lilacs judging by their prescent appearance will be all in in good shape. There also is a large lot of bulbours stuff held back, yet which, of course, will be cheap at such a late date. Joseph Bennett has several hondread American Beauty roses in pots which should sell well, his Lawson bench is a mass of flowers, also a bed of sweet peas.

The Montreal Gardeners' and Flofists' Club at its meeting last Monday decided to hold as usual the annual chrysanthemum show some time in November, A very interesting essay was given by Mr. Elvin. Subject: "Inpressions of Canada by an old Countryman'' which provoked a lively discus sion. Mr. Robinson stated that it takes about ten years for an old countryman to become all Canadian. W. H. Horobin and $G$. Trussed winners of last euchre contest were presented with prizes.

## Tarrytown, N. Y.

The monthly meeting of the Tarrytown Horticultural Society, March 28 was marked by a very large attend ane. Three new inembers were elected. There was a falling off in exhibits, prob ably on account of everybody being too busy to trouble with then. The $\mathbf{F} . \mathrm{R}$. Pierson Company was awarded a ertificate of merit for Baby Rambler roses and L. A. Martin a similar award for an excellent vase of Antirrhinum majus. A very interesting and instrucfive essay on spraying for San Jose scale was read by L. A. Martin and quite a lively discussion ensued, the con sensus of opinion being that unless some concerted action is taken to cheek this pest few live fruit trees will be left in this section in the course of a few years
The secretary announced several liberal donations toward the prize fund of the November show, the prize list for Which is nearly completed. F. R. Pierson asked for the opinion of the memleas regarding the most suitable number of carnations to be staged for the cup he offers, his desire being to give the small growers a chance to compete as well as the larger growers. After the numbers hat freely expressed their opinions Mr. Pierson decided to give the cup tor seventy-five blooms, twenty-five cark of the three Lawsons, pink, white itu] variegated, instead of giving it for fifty blooms of variegated Lawson as originally intomperl.
Sext month Professor lowell will deliter a lecture on trees amd roses. For this lecture the school trustees have kindly granted the society the use of the lecture room in the high school which will allow of making the lecture open to the public. Wm. Scott.

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QUEEN LOUISE, the standard white, strong healthy well-rooted, 81.25 per 100 , postpaid; $\$ 10.00$ per 1000. Satisiaciion Guaranteed.
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Queen Louise. . $\begin{array}{rr}\mathbf{\$ 7 . 0 0} & \$ 60.00 \\ \mathbf{6 . 0 0} & 60.00\end{array}$
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 20,000 Pots of LILIUM LONGIFLORUM, at 12 c per bloom.4,000 CRIMSON RAMBLERS, trained in unique and artistic designs. $\$ 1$ to $\$ 25$ each. 10,000 AZALEAS, 75 c to $\$ 25.00$ each. 3,000 HYORANGEAS, 75 c to $\$ 5.00$ each. 3,000 SPIRAEAS, $\$ 4, \$ 5$ and $\$ 6$ per dozen. 3,000 ROSE PLANTS, $\$ 6, \$ 9$ and $\$ 12$ per doz. RHODODENDRONS, $\$ 1$ to $\$ 25$ each.
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Enchantress................. $\$ 22.00$
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ROSES. $30, C 00$ Chatenay. 2 and 3 eve cuttiogs, R00, Rooted cuttiogs, $220.00 ; 21 / 9-10 ., \$ 35.00$ per 1000 . $10,0002 \%$-it. Gates, 83.00 per $100 ; \$ 25.00$ per 1000 . R. C., $\$ 12.50$ per 1000 .
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Yerschsffeltil, Fire Brand, Golden Queen, Beckwith's Gem, Lord Pslmerston, Queen Victoria and Fanoles, 60 c per 100; 85.00 per 1000.
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100,000 Now in Bloom.
Extra large field-grown plants. They are the Kind that Sell. Per $100, \$ 2.00$; per 1000, \$20.00.
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Fine cold-frame plants in bud and bloom. Fioest mixed colors. Resdy April 1 st . Price,

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aROWER OF THE FINEST PANBIES.
$\frac{\text { It is good business policy }}{\ldots \text {......to mention the }}$ *
American Florist
When you write to an advertiser.

## Pittsburg, Pa

Weather retards business.
Snow, hail, rain and wind, with a low degree of temperature, has iuvaded Pitteburg and surrounding territory for the past week and has somewhat stimulated onr hopes that natural conditious may lend assistance in staying the development of blooming stoek for Easter. Business moves at a very slow pace and stoek of all kinds and grades is plentiful. Much of the bulbous stock and especially single daffodils shipped up from various states will not move out at any inducement.

On Sunday, the 9th, the Phipps conservatory in Schenley park and the large private conservatories of H . C. Frick and Alexander Peacoek, exhibited their annual flower display to the public and will be opened daily for about a month. Ten to twenty thousand people visit these displays each Sunday and no expense is spared to secure the highest expression of art and effects, and the public responts with unbounded appreciation, for these institutions control a good part of ourl civic pride.
The A. T. Lorch Company of De Haven have ineorporated with a capital stock of $\$ 50,000$ and have begun the construction of two new houses $50 \times 400$ feet. They expect to double their present boldings by next year, and will devote most of their spare room to roses and carnations.

The Pittsburg Florists' Exchange are now installed in their new quarters, which comprises the whole building at ェ』s Diamond street. This is a eonsiderable increase of space over their former quarters, which beeame neeessary in order to meet their large and growing business.

Mr. Zieger, manager for Charles T. Siebert, is elated with the showing of the store since the opeuing three weeks ago.
The Diamond National bank enlivened the flower business considerably April 5, the day of its opening. The bank offeers were reeipieuts of loads of flowers and the bank gave thousands of roses and earnations as souvenirs to visitors.
A great hail storm took place April 10, and it was reported that the Phipps conservatory was badly wrecked, as was also A. W. Smith's plant on Monnt Washington, also J. B. Murloch \& Company's Wilkins avenue plant. Mrs. E. A. 'Villiams' plant at Knoxville is damaged but the extent of damage is indefinite.
Phil. Langhan's frients will be sorry to hear of the serious condition of his father, whom the doctors state canuot
If. IV. Preitenstrin is in New Jork and Philadelphia on hasiness.

Visitor, Mr. Wm. Craig, Ir., Mhilasem. Mecrements is in the east.

1\%. L. MrGinitir.

## Grandville, Mich.

(icorco Conklin has rentol his place min is now with Van Acken Brothers, Mimplas Freyling, of Freyling \& Murneles, is ill.
lass been goont. esperially ship. guite

## 10,000 FRED BURKI 10,000 <br> NOW READY <br> NOW READY <br> Send in your order and get one of the best commercial whites; worthy of growing. $\$ 12$ per 10 ); $\$ 100$ per 1000 . <br> JOHN MURCHIE, S. S. SKIDELSKY, SHARON, PA. <br> 824 N. 24th St., Philadelphia.

## 4,500 Easter Lilies

One and One-Half to Three Feet High.
Fine foliage. From three to twelve flowers per plant. $10 c$ per bud or flower.
4,000 Hyacinths, Tulips, Daffodils. CASH WITH ORDER.
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## 2 $1 / 2$-INOH POTS.

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.. $\$ 3.00 \quad \$ 25.00$
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$3.00 \quad 25.00$
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## Easter Lilies <br> hYDRANGEAS and CRIMSON RAMBLERS. <br> Large quantities for Easter Trade. ORDER NOW. <br> > Scottwood Greenhouses, roifdo, 0. <br> <br> Scottwood Greenhouses, <br> <br> Scottwood Greenhouses, TOLEDO, 0.

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QUEENS, LONG ISLAND, N. Y.
SPECIALISTS:
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Verbana King
VERBENAS-Rooted cut-
inga. 60 c per $100 ; \$ 5.00$ tinga, 60s per 100; $\$ 5.00$
per 1000 . er 1000.
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We prepay express charges on all rooted cuttinga, sud guarantee satisfaction and aafe arrival. Write for prices on larga lole; also sand
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Russian, Slrong, Healthy, Field-Grown Plants. They bloom for us in open fild. from Novamber. untit Aprit. $\$ 1.0$ per 100 , or $\$ 9.00$ per 1000, i. o. b. Cash or c.o.d.
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Clumps from the bench of M. Louise. Imperial and Princess of Wales. $\$ 5.00$ per $100 ; \$ 1000$ par 1000; Rooted Cintings, $\$ 1000$ per 1000 ; Pots, $\$ 2.50$ per 100: $\$ 20$. . 0 per 1000. Rooted Cuttinge of Campbell.
 5,000 HEALTHY
Maie LoviseVVilet Clumps
For sale after April 23, 1905.
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Cyclamen
Cyclamen
$\$ 300$ per 100 ; $\$ 25.00$ per 1000. Seed of only seleoted flowers and well l wilt stoek; none better.
C. WINTERICH, Deliance, 0 .


## HAMMOND'S SLUG SHOT FOR POTATO BUGS AND CURRANTS.

To the editor of American Gardenivg:
In your issue of June 18, on page 399, I notice a good article on the Colorado Beetle or Potato Bug. For the benefit of your numerous readers I would advise them to try Mammona's Slug Shot. I bave used it here this season, with excellent results, on rotatoes, Egg Plants, Cucumbers and Squash,--for Potito Bugs, and also for Striped Beetles, and it is the best remedy 1 know of, simple and effective. I purchased two of the Dusters which he advertised in your paper, and they are very useful articles. The best time to dust the plants is early morning, as the substance adheres much better when the dew is on. A light dusting is sufficient, and woe betide the bugs or the larvz. Once they get a taste of it they shrivel up right away.

Sold by Seed Dealers and Merchants all over America.
GEORGE STANDEN, Gardener to Col.D.S. Lamont, Millbrook, N.Y., 1904.
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The best, strongest and nestest folding out flower box ever made. Cbesp, dursble. To try
 1. $3 x 41 / 816 \ldots \ldots \ldots \ldots \ldots \ldots . .$.


 - 4x $8 \times 22$...................... $300 \quad 2850$

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10. 7x20x20.......................... $9.50 \quad 67.50$
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Price with wire chain at shown in out, 81.00 per dozen by express, Sample dozen
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STANDARD FLOWER POTS!
Paoked in smsll orates, bsay to handle. Price per crate $\mid 120$. Price per orate 1500 2-h., in orate, 5485808
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sacks, $\$ 1.25 .10$ sacks, $\$ 112$, and 20 sacks. $\$ 1.00$. sacks, $\$ 1.25 .10$ sacks, $\$ 8112$, and 20 sacks. $\$ 1.00$ Silver Sand. per barrel, 1 to $5,41.75 ; 5$ bbls $\$ 1.50 ; 10$ bbls $\$ 1.25 ; 20$ bbls $81.12 ; 25$ bbls $\$ 1.00$.
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We are direct agents. Write for prices for immediate shipment or season's supply.
 ude orter a seen us. the folkes thote we waz one uv the shows let out for recess. we didn't go iar arore we gor mixed up in the push an i got lost Irum mi gang, so i went in tew a place tew get sumthin, an it tasted so gud ituck a nuther, which was better, so i tuck severel others an ithot the Pike waz a real nice place.

The next place $i$ kum tew, waz a kind up a whirla-ma-gig, an as every thing else was goin round ithot i would'nt git left so $i$ tumbled in tew a box long side uv a nice lookin gal an a wa we started like a runawa hoss. the gal got skeered an throwed her arms around mi neck an began tew squeel. Well i put mi arms around her tew hold her in, an then kissed ber afew tew quiet her down an let her no ide pertect her. an i wuz so buizzy i didnt see no body but the gal, but "Semantha Jane"' thats mi wife that wor, seed me, an now there is a case in court fur divorce an a ${ }^{1 \prime}$ millun dollars allimmuny an itl take all $i$ got.
i dont no what becum uv the kids i hant seen nun uv um sinst i got ham, but muther-indaw kum back an makes it lively fur me twitin ahout that gal in the dizzel dazzel machine.
now i wish gou'd tell mi frenz about mi trubble. ma be sum uv em hav been in the same fix but didnt git cetched like i did, an they'le no how to simpathise with me. I need their patronage real bad fur it'l take a pile uv munny to pa that allemunny. Send tew me fur a cat-a loge what tels awl about my Kole Savin Bilers, New Departur Ventilatin Contrapshins and Everlastin Hinges lur Sash. My name iz
J. D. CARMODY, an i live in Evansville, Ind., whitch is klose tew Posey Kounty.

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## Toronto

cut flowers in heavy supply．
Very little change is noticed in busi． ness，which is keeping up remarkably for Lent，and is considerably ahead of last year．The weather of the past two weeks has been very bright and the cut，of roses especially，is exceedingly heavy．The department stores have the prices as low as 24 cents per dozen． Most notable of the roses are General MacArthur and Mme．Chatenay，which are producing some very select blooms． The continued demand for young stock foretells a heavy planting of these vari－ eties．American Beauty is coming in with strong stems and very select blooms，and the teas are all fine，but it is doubtful if the quality can be held until Easter．Carnations continue plea－ tiful and large quantities are sold at ridiculously low prices．

The better weather permits of the wearing of violets on the streets and large quantities are being sold，although the quality is getting poorer．Lilies of all kinds are plentiful and cheap and the market has never had so large a supply of lily of the valley as at pres－ eat．Flowering plants of all kinds dee－ orate the stores，but many of them go to the rubbish pile．


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New Greenhouse Catalogue ready for dis－ tribution．Send for it．

## The Allied Trades

Descriptive particulars-with drawings or photographs, if possible-of any new apparatus or device Which may prove helpful to
the trade are solicited for this department.

The Albany Steam Trap Company is receiving some flattering testimonials bearing on the coal-saving qualities of its steam traps.

## Boiler Scale.

A good many engineers object to hanmering off seale in a boiler where same is used for pressure on account of injury done to the shell. The George W. Lord Company makes, I think, the remedy par excellence for this tronble. lt is really not an expensive preventive to use, as a clean boiler will make steam so much faster and much less coal is needed, not to mention the damage done by great heat to scale boiler plates.
W.

## Quality of Greenhouse Glass.

Ed. American Florist:-
Is the glass now sold and designated as "'greenhouse glass'" second or third quality Is third quality glass good enough for raising good carnations? Massachusetts.
There are two qualities usually used by florists, viz., "A" and "B' quality. A great many of the best flower growers are now using half "A"' and half " $B$ "' quality, using the poorer grade for the north side of the bouse. The " B " quality is the same in thick. ness as the "A," the only difference being that there are more imperfections in the poorer grade. We have known of some growers using the "B" grade straight through, without experiencing any difficulty, but believe the method of using half of each grade is not only quite a saving in money, but gives just about as good results.
L. E. Partridge.

## The Glass Market.

Chicago.-The demand for window glass has not shown any material increase of late, although it has been fairly good through the winter. There is a surplus of single strength glass in the small sizes, which is due to the large amount of machine made glass that is available for distribution, while the larger sizes are scarce, owing to the fact that the glass blowing machines are not apparently adapted to their manufacture. There is a growing accumulation, says the Chicago American Lumberman, and it is believed that the scarcity that has existed in several items will be considerably relieved hefore long, there being already reported a stock of $B$ double strength more than sufficicat for immediate needs.

New York.-The demand for window glass has not been up to the general expectations of jobbers, and salesmen who have been on the road report that considerable fignring is going on, but no business is being transacted. It appears, says the Oil, Paint \& Drug Reporter, that jobbers are not inclined to stock up heavily, as it is intimated
that the trade in general fear the competition of the machine made glass. All of the factories which are turning out grool glass are earrying very light stocks and it is intimaterl that when the latter go out of blast no stocks of consequence will be carried throngh the summer months.

## Greenhouse Building.

Passaic, N. J.-Hansen \& Lunsted, aldition, 100 feet long.
Montpelier, Vt.-Emslie \& Broadfoot, vegetable house.

Anita, Ia.-Charles 11. Talbot, extensive additions contemplated.

Pittsburg, Pa. - William Flemm, rebuilding on site of former house destroyed by fire.

Lawrence, Mass.-A. H. Wagland, house for show purposes, $21 \times 55$ feet.

Elwood, Ind.-A. Deubendorfer, one house contemplated for this spring.

Plainfield, N. J.-Bellview Avenue Nursery, carnation house, $21 \times 50$ feet.

Mobile, Ala.-Chatogue Greenhouses, carnation house, 15,000 feet of glass.

Grandville, Mich. - James Schols, rebuilding one house, $16 \times 120$ feet. Freyling \& Mendles, rebuilding three houses, each 20 x 75 feet. Henry Smith, one new house, $28 \times 300$ feet.

Norwich, Conn.-M. J. Field, rebuilding burned greenhouses.

Toronto, Ont.-Grobba \& Wandrey, range 200 x 250 feet, for earnations. John Gard, two houses, $20 \times 200$ feet. P. Fogarty \& Sons, two houses, $21 \times 150$ feet.

Louisville, Ky.-Adam Heitz, new honse, 8,100 feet of glass.

Vancouver, B: C.-James Hazelwood, two even-span greenhouses, $17 \times 54$ feet each, and one bouse $10 \times 54$ feet.

Tampa, Fla.-Tampa Floral Company, new range of commercial greenhouses.

Lincroft, N. J.-Henry Winter, one house $18 \times 100$ feet.

Red Bank, N. J.-W. W. Kennedy \& Sons, one house $22 \times 100$ fect.

Beatrice, Neb.-Dole Floral Company, new range of glass, 10,000 to 11,000 feet.

Alliance, O.-Lamborn Floral Comlany, range of 50,000 square feet of glass for cut flowers.

Fairbury, Ill.-Kring Brothers, carnation house, $30 \times 300$ feet.

## Economy in Fuel.

Ed. American Florist:-
In this part of Texas heat, as a rule, is only necessary at night, but temperature conditions go to extremes snddenly when a norther comes up, the mercury dropping from $60^{\circ}$ to $70^{\circ}$ in less than twelve hours. Is there any economy in fuel to supply a house with enough radiating surface to give the required temperature with a boiler water temperature of from $140^{\circ}$ to $160^{\circ}$, moderate firing, rather than to have the hoiler water temperature up to $180^{\circ}$, extreme firing, to get the required house temperature In other words, is it not economy in fuel to have a moderate fire, if temperature point is obtainable, with all drafts at bottom closed, rather than to have to run with bottom drafts wide open? I use a No. 30 Wilks boiler and Indian Territory coal. Which wonld be cheaper, to use McAllister soft coal at $\$ 8$ per ton or Lykens Valley red ash coal (egg) at $\$ 11.50$, used with magazine in above boiler? J. J. N.

The greatest economy of fuel is
secured when the heating plant is of sufficient capacity to provide the desired temperature with a gentle fire, thie return water being not over $140^{\circ}$ Under the conditions named a plant with boiler and radiating surface that will suffice with careful firiug in the lime of a blizzard should be able to give the heat needed in ordinary Weather with all drafts elosed. I would prefer to beat the water to $180^{\circ}$ in the hlizzards rather than put in a plant that will do it at $140^{\circ}$, for which a considerally increase in ralliation will he neces sary.
L. R. TAFr.

## Greenhouse Heating.

Ed. American Florist:-
1 intend to overhanl my houses and would like to know the best manner of piping them, s-inch pipe preferred. The house marked No. 1 is 56 feet long, 20 feet wide and 11 feet to ridge and runs north and south. The wall on the west side is 3 feet double board and $\because$ feet of glass. The south end is glass; the work shed, $10 \times 10$, and the office, $7 \times 9$, are on the north end. The boiler pit is under the office and is 4 feet below the level of the greenhouse floor. I would like a temperature of $55^{\circ}$ in this house when it is $10^{\circ}$ below zero outside. Iouse No. 2 is 56 feet long, 8 feet wide and 7 feet to ridge, with 4 feet solid wall on east side. I would like $45^{\circ}$ to $50^{\circ}$ in this house. The diagrams are marked from the inside. G. E. T.

For the house 20 feet wite it will be best to nse three $21 / 2$-inch flow pipes and ten -inch returns. The diagram shows two solid beds and one bench but the beight is not indicated, and it will not be possible to tell just where the pipes should be placed. It is prob. able that a flow should be on each plate and the other 2 feet under the ridge. The return will have to be in the walks and under the bench, so as to give an even distribution. In the 8 -foot house use one 2 -inch flow and one return on each side. The flows can be on the plates and the returns under the benches, or all the pipes can be beneath the benches.
L. R. Taft.

## Greenhouse Heating.

Ed. American Florist:-
I have two carnation houses, cach $21 x$ 80 feet, runuing east and west. The walls are 5 feet high with 2 feet of stationary glass on south wall. Rest of wall is of 1 -inch boards with three-ply paper and sheeting. I will use a No. 1 İroeschell hot water boiler and desire to use 3 -inch pipe. How would you arrange the pipes? The temperature seldom goes lown to $20^{\circ}$ below zero.
M. K. D.

Seven 3 -inch pipes will be required in each house. Two or three of these should be flows, but without knowiog regarding the arrangement of the benches it will not be possible to locate them.
L. R. Tart.

Hudson, N. Y.-The annual fair of the Columbia Agricultnral aud Horticultural Association will he held here - Septenber 12 to 14.

Fulton, IA.-Preparations are being male for the erection of a greenhonse, probable cost being $\$ 10,000$, for cultivation of cucumbers, tomatoes, ete., for early market.

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Carnation-Carnation Bride, $\$ 6$ per $100, \$ 50$ per 1,000 ; Phyllis, $\$ 12$ per 100
$\$ 100$ per 1,000 .

## John N. May, Summit, N. J.

Carnation-Carnation Fred Burki. All orders booked now are for April delivery. The Cardinal, best scarlet, root ed cuttings now ready, $\$ 12$ per 100 ; $\$ 100$ delsky. Philadelphia.

Carnation-The Cardinal; best scarlet in market today rooted cuttings now - E. G. Hill, Rlchmond
chmond, Ind.
Carnation-The Cardinal; best scarlet in market; rooted cuttings now ready $\$ 12$ per $100 ; \$ 100$ per 1,000 .

Chleago Carnation Co., Jollet, Ill.
Carnation-Rooted euttings. Chicago $\$ 10$ yer 100, 120 per 1,000; Boston Market, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Belle $\$ 5$ per 100 , \$45 per 1,000 ; Flora Hill, \$1 per 100, $\$ 9$ per 1,000; Queen Loulse, $\$$ $\$ y$ per 1,000 ; Richmond Germ, $\$ 10$ per 100 , $\$ 75$ per 1,000 ; Crusader, $\$ 5$ per 100 $\$ 45$ per 1,000; Adonis, $\$ 2.50$ per 100, $\$ 20$ per 1,000 ; Estelle, $\$ 2.50$ per 100, $\$ 30$ per 1,000 ; Indtanapolis, $\$ 5$ per 100 , $\$ 45$ per 1,000; Phyllis, $\$ 10$ per 100 , $\$ 120$ per 1.000; Morning Glory, $\$ 1.50$ per 100 , $\$ 12.50$ per 1,000 ; Mrs. Joost, $\$ 1$ per 100 $\$ 9$ per 1,000 ; Mrs. Higinbotham, $\$ 1$ per 100, $\$ 9$ per 1,000; Guardlan Angel, $\$ 1$ per $100, \$ 9$ per 1,000 ; Nelson, $\$ 1.50$ per
$100, \$ 11.50$ per 1,$000 ;$ Lawson, $\$ 1.50$ per $100, \$ 11.50$ per 1,000
$100, \$ 12.50$ ver 1,000
$100, \$ 12.50$ per 1,000
Peter Reinberg, 51 Wabash Ave., Chlcago.
Carnation-Unrooted carnation cuttings; Queen Louise, Portia, Crocker, Goodenough, 50 c per 100 ; Lawson, $\$ 1$ per 100; Gladiolus, bulbs, 75 c per 100, \$6 per 1,000 . Cash with order.

George M. Emmans, Newton. N. J.
Carnation-Red Sport, holly berry red, price, $\$ 1.50$ per doz., $\$ 2.50$ for $25, \$ 4$ for price, $\$ 1.50$ per doz., $\$ 2.50$ for $25 . \$ 4$ for 0: all postpaid; $\$ 6$ per 100 , 100 per paid: $\$ 10$ per 1.000 .
A. B. Daris \& Son, Purcellville, Va

Carnation-Strong rooted cuttings. N. Fisher, \$5 per 100; Indianapolis, \$4 per 100; L. Market, $\$ 1.75$ per 100 , $\$ 15$ per 1,000; ivoleott, $\$ 2$ per $100, \$ 18$ per 1,000 : Lawson, $\$ 1.25$ per 100, $\$ 12$ per 1,000 : Prosierity 10 per 1,000 Frosperity. T. Buckley Co., Springfleld, Iil.
Carnation-Rooted carnation cuttings. Enchantress. $\$ 3$ per $100, \$ 25$ per 1,000 : Fair Maid, $\$ 2.50$ per $100, \$ 20$ per $\$ 1,000$ : Alpine Glow, $\$ 2.50$ per $100, \$ 20$ per 1,000 Lawson, $\$ 2$ per 100 , $\$ 15$ per 1,000 , Nelson. \$2 per $100, \$ 15$ per 1,000 . Queen, 3.50 ver 100, 100 per 1.000; Queen Louise, $\$ 2$ per 100. $\$ 15$ per 1,000; Boston Market, $\$ .50$ per $100, \$ 20$ per 1,000 ; Marion, $\$ 2$ per 100, $\$ 15$ per 1,000; Flamingo, $\$ 6$ per 100; Crusader, $\$ 6$ per 100; Patten, $\$ 6$ per 100: Prosperity, 5.50 per Patten, $\$ 6$ per 100; Prosperity, $\$ 3.50$ per leading varieties. Leo Niessen Co., 1217 Arch St., Philadelphia.
Carnation-Carnation cuttings. The inst now ready. Lady Bountiful, \$f fer 100. $\$ 50$ per 1,000; White Lawson, $\$ 6$ ner $100 . \$ 50$ per 1,$000 ;$ Moonlight, $\$ 4$ per 100
$\$ 30$ ber 1,$000 ;$ Crusader, $\$ 5$ per $100, \$ 10$ $\$ 30$ ber 1,000 Crusader, $\$ 5$ per $100, \$ 10$ per 1.000; Harlowarden, \$? per 100, \$15 por 1,000. Enchantress, s? per 100, \$25
 1.000: Prosperity, $\$ 2$ per 100 , $\$ 15$ per 000 Lieut. Peary, $\$ 12$ per 100 , $\$ 100$ per 000. Chicago Carnation Co., Jolfet. Ill. Carnation-Lawsmi, loston, Market Wom flats, $21 / \mathrm{cc}$ from sand, $11 / 2 \mathrm{cc}$ Dor-
why. White Clowl. 1c. Nemaha Green-

Carmation-Wolcott, White Cloud, Norway, Lawson, Morning Glory, Mrs. Joos at $\$ 12.50$ per 1,000 ; Enchantress and Estelle, $\$ 25$ per 1,000; Flamingo, $\$ 50$ and Crusader, 40 per 1,000: Amerlca and Prosperity, \$12.50 per 1.000; Gatety $\$ 15$ per 1,0 greenhouses. Washburn, 16

Bassett \& Washburn, 76 Wabash Ave. Chicago.

Carnation-My Maryland and Jessica $\$ 2.50$ per doz. $\$ 12$ per 100 , $\$ 100$ per 1,000 jI. Weber \& Sons, Oakland, Md

Carnations-Special prices per 1.000 Q. Loblise and $H$ Fenn $\$ 10$. 50.000 . Linise ready now; rest in early May. Albert M. Herr Iancaster, Pa

Carnations-Specialists in carnations Cottage Gardens Co., Inc., Queens, L. I.

Carnations- liooted cuttings, 2 to $3^{\circ}$ jur 100 for root. eut and sperlings Casti with order.

Carnations-Carnation cuttings, from mots and fats: N. Fisher, Mrs. Mr. A Satton, Flamingo, $\$ 6.50$ per $100, \$, 45$ per
1,$000 ;$. Whitney, $\$ 5.50$ per $100, \$ 45$ per 1,000; Enchantress, $\$ 3.50$ per 100, \$30 per 1,000; Enchantress, \$3.boder Fair Maid and Queen, \$ per 100 , $\$ 25$ per 1,000 . Backer \& Co per $100, \$ 25$ ne

Carnations-Rooted cuttings now ready of all reliable well known var
eties. A. N. Pierson, Cromwell, Conn.

Carnation - Rooted cuttings ready now: Lady Enuntiful, Phylis, Chicago White, Robert Craig, White Lawson Send for moices. Cardinal, \$12 per 100 $\$ 100$ ner $1000 \%$ Crusader $\$ 5$ per 100 , $\$ 40$ per 1,000; Dalirim, $\$ 6$ per ino, $\$ 50$ per 1,000; Eclipse. Lorner's, $\$ 12$ per $100, \$ 10 n$ ner 1.000; Fnchantress, \$4 per 100. \$30 per 1,000; Estelle, $\$ 3$ per 100 , $\$ 25$ per 1,000: Flora Hill. \$1.75 per 100 , $\$ 15$ per 1.000 ; Lord, $\$ 1.75$ per 100 . $\$ 15$ per 1.000 ; Harlowardon, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Indianapolis, $\$ 5$ per 100 . $\$ 40$ per 1,000; Lawson, $\$ 3$ per 100 , $\$ 25$ fier 1,000 Mrs. Patten, $\$ 6$ per $100, \$ 50$ pre 1,000 Prosperity, fancy. $\$ 3$ per 100 . $\$ 25$ per 1,000 Quren I, Quise. $\$ 1.75$ per $100 . \$ 15$ jier 1,000: Red Lawson, $\$ 10$ grer $100, \$ 75$
 per 1,000; Vesper, $\$ 5$ per $100 . \$ 40$ ver
1000 Variesated $, ~ \$ w s o n, ~$ 12 per 100 $\$ 100$ per 1.000 . White Cloul, $\$ 1.75 \mathrm{mer}$ $100, \$ 15$ per 1.000 ; White Swan, $\$ 10$ per Micagn, Greenhouses. Western Smings,

Carnation-Strong rooted euttings White Lawson, $\$ 7$ per $100, \$ 60$ ver 1.000 Also other novelties. Fiancee, Cardinal Patten, Daheim, Enchantress. Flamingo ' 1 '. W. Lawson, ctc. F. R. Pierson Co rarrytown, N. Y.

Carnations-Eclipse, our new dark pink, nine plants from $2-$ in pots, $\$ 12$ ner 100. Rooted cuttings. standard varie hes. Write for price list.
or
Carnation-Rooted euttlngs now rearly of trled newer sorts, Filst-class some Poehlmann Bros. Co., Morton Grove III.

Carnation-Carnation Robert Cralp scarlet), $190 \%$ Order now for Marcl J. D. Thompson Carnation Co., Jollet $[11$.

Carnation-Carnation cuttings: well rooterl, taken from selecterl stock, clean and healthy. Lawson, $\$ 1.50$ ner 100 , 100. $\$ 0$ per 1,000 ; lnchantress, $\$ 3$ ne 100. \$25 per 1.000; Morning Glory, $\$ 1.50$ per $100, \$ 12.50$ per 1.000: Mrs. Higln botham, $\$ 1.25$ per $100, \$ 10$ per 1.000 Itstelle, $\$ 1.50$ per $100, \$ 12.50$ per 1.000 thleago, $\$ 2$ per I00. $\$ 15$ per 1,000 Adonis. $\$ 2.50$ per $\mathrm{I} 00^{\circ} . \$ 20$ per 1.000 : Wlora H1ll, \$1 ner $100 . \$ 9$ per 1.000 ; Whlte Cloud, $\$ 1.25$ ner $100 . \$ 10$ per 1.000 1 1er Majesty. $\$ 1.50$ ner $100, \$ 12.50$ per
1.000 ; IIarlowarden, $\$ 1.50$ per $100, \$ 12.50$ per 1,000 .

51 Wabash Ave., Chlcago.

Carnation-Rooted carnation cuttings White Lawson, 5,000 ready to he shipped, $\$ 7$ per 100, $\$ 60$ per 1,000; Lady Bountiful, $\$ 7$ per 100. $\$ 60$ per 1,000: Mrs. M. A. Patten, $\$ 6$ per 100, $\$ 50$ per 1,000; Nelson Fisher, $\$ 7$ per 100, $\$ 60$ per 1,000 ; Daheim $\$ 6$ per $100, \$ 50$ per 1.000; Enchantress $\$ 3.50$ per ${ }^{T} 00, \$ 30$ per 1,000 ; Boston Mar ket, $\$ 2.50$ per $100, \$ 20$ per 1.000 ; The Queen, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; White Cloud, $\$ 1.50$ per 100 , $\$ 12$ per 1.000 ; Mrs. T. W. Lawson, $\$ 2$ per 100, $\$ 18$ per 1.000 ; Yen. Maceo, $\$ 2$ per 100 $\$ 15$ per 1,000 ; Morning Glory, \$2 per 100 . $\$ 15$ per 1,000 ; Mrs. G. M. Rradt, $\$ 3$ per
100 , $\$ 25$ per $\mathrm{j}, 000$; Melba, $\$ 1.50$ per 100 , 100, \$25 per j,000; Melba, \$1.50 per 100 , $\$ 12$ per 1,000: Queen Louise. $\$ 1.50$ per
$100, \$ 12$ per 1,000. Grafted roses. Write for prices.

Wood Bros., Fishkill. N. Y.
Carnation-Red Lawson, at $\$ 10$ per 100; $\$ 40$ per 500; $\$ 75$ per 1,000.
W. J. Palmer \& Son, Lancaster, N. Y.

Carnation-Strong, healthy, well rooted cuttings. Prosperity, Joost. Lawson and Wolcott, $\$ 2$ per 100 ; Moonlight. $\$ 3$

Carnations-Sturdy little pot plants from best cuttings, per 100 B Market $\$ 2.50$; Gov. Wolcott, \$3; Indianapolis, \$4 Mrs. Nelson, \$2.50: Mrs. Lawson, \$2.50 The Queen, $\$ 3 ;$ G. H. Crane, Glacler,
lorna, Floriana, M. Joost, Morning lorna, Floriana, M. Joost, Morning Lawson, $\$ 7$. and Cardinal, $\$ 12$. . White Lawson, $\$ 7$, and Cardinal, $\$ 12$
The Storrs \& Marrison Co., Palnes-
Carnation-Carnation Candace, $\$ 2$ per doz., $\$ 12$ per $100, \$ 100$ per 1,000 . Dis semination 1906.
Indlanapolis Flower $\&$ Plant Co., and John Hartje, Indlanapolis, Tnd.

Carnation-Carnation cuttings.
W. H. Watson, Lapeer, Mich.

Centaurea-Centaurea Gȳmnocarpa, \$2 per 100.

Jos. H. Cunningham. Delaware. O.
Chrysanthemum-Three new chrysan themums, Majestic. Adelia and Madonna rooted cuttings, \$3 per doz

Tohn Breitmever's Sons. Detrait. Mich
Chrysanthemum-Fine plants, ready to ship from soil or sand. White. ner 100: Estelle, Kalb, Robinson, Polly Rose, Wanamaker, \$2; Faton. \$2.50: Ron naffon, Snow Queen, Merrv, Christmas, Mayflower, Ivory. J. Jones, \$2: H. PlumeSunshine, Monrovla, Maior Ronnaffon Sunshine, Monrovla, Maior Ronnaffon, Appleton, Y. Jones, Y. Mayflower
Beauty, Mournier. Omegn. $\$ 2: Y$. Faton Beauty, Mournier omegn. $\$ 2$. Yolden Wedding. $\$ 2.50$ : Vm . Thirkell, T. V. Pockett. H. S. Valis, Kimberly. si Pink, ner 100: Diskham, Cobbold. Bal.
 four. $\$ 3$; Glory of Pacifc. Pink Ivorv. N
Newell. J. K. Shaw, Perrin, M. Tiger, Newender Queen. Rjchardson. Murinoch
 Panl I abhe, Black Hawk, $\$ 2.50$.

Vietor Bros.. 5] Wahash Ave.. Chimago.
Carnation-Whito Tawson. from 2 -in pots. \$6 por 100 : \$55 por 1.000. John

Carnations-Pot grown par 100
han 1 rose $\$ 4$; $\Gamma_{\text {M Market } \$ 2.50 \text {; Ned snort }}$ Fivispr \&o. R. C. from soil, per 100 : F.
 \$1.50; Cuane $\$ 2:$ Fnchantress $\$ \%$ ©

Chrysanthemum - Ronted cuttings, Wm. Duckham. Ben Wells, F. A. Cohhold, Ifella Filkins, \$3 per 100; Dr, Fnguehard. \$4: Mrs. Thirkeli, \$2. No W. A. Chalfant. Sprinzfeld. Mo.

Chrysanthemum-Strong rooted cut fings and plants. Leading standard vari etles. Cash or satisfactory references Raur Finral Co., Wrif. Pa.
Chrysanthemum - Rnoted euttings otios: also some of tried newer sorts. First-class stome

Pohlmann Brns. Co., Morton Grove. Ill
Chrysanthemum-Chrysanthemim Anpleton. Bnnnaffon, Giory of Pacific. Ivorv, and others, rnoted cuttings, si: trancplanted in flats. \$1.50; from $2^{1 / 3-i n}$.
ner 100 .
I. J. Rowe. Titusville. Pa.

Chrysanthemum - Rooted cuttings early chrysanthemums, Opah, Mme. Bergman. Whllowhrook. Octnher sum-

Chrysanthemums-Ready to ship now out of soll, good strong cuttings as fol ows. 200 G. S. Kalb, 200 Monrovia, 300 . Teal, 100 Glory of Pacific, 200 Polly Rnse, 100 Willowbrook, 100 Golden Trophy, 100 Mrs. Roblnson, 400 Bride. 00 Appleton, 400 Minerva, 200 G. W Childs, 300 T . Shrimpton, 200 Viviand Morel, 1,000 Niveus, 1,000 Mutual Frlend $1,000^{\circ}$ Halliday. 2.000' Ivory, whlte; 300 vory, pink; 500 Cullingfordi, 400 J . Jones, white; 400 J . Jones, yellow; 300 Black Hawk, 300 Xeno, 1,200 G. Wedling, 1,000 Lincoln, 700 Maud Dean, 300 Nagoya, 400 Mme. F. Perrín, $500^{\circ}$ T. Y. Bonnaffon. Above vari eties, $\$ 1.50$ per $100 ; \$ 12.50$ per 1.000 . B. Wells, Princess, N. Pockett, Mrs. W. Midred Ware, Mrs. E., F. Vallis, W Duckham, Dr. Enguehard, $\$ 2.50$ per 100. Gen. Hutton, F. A. Cobbold, Leila FilW F Kasting $\$ 8.87$
Buffalo. Kasting 383-87 Ellicott St.,
Chrysanthemum-M. Bonnaffon, Rohinnnt. G. Pacific and M. Liger. $\$ 2$ per 100 , $\$ 15$ per 1.000: Estelle and Wm. Duckham. $\$ 3$ per 100 . $\$ 25$ per 1,000 ; same var. from $21 / 2$-in. pots. $\$ 1$ ner 100 . Chicago Carnation C'n., Joljet, Jll.
Chrysanthemums - Ronted euttings, Vm. Duekham, Monrovia, Alice Evron, Mrs. Conmbes, J. K. Shaw and others, $\$ 1.50$ per $100 ; 2$ to $21 / 2-\ln$. plants, $\$ 3$ ner 100. Dr. Enguehard, rooted euttings. ser foo: pot plants, $\$ 5$ per 100: all Ginnar Teilmann stock, true to name.

Chrysanthemums - Rooted cuttings. Vm. Swavne, Kennett Sq.. Philadelphia.

Chrysanthemums - Dr. Enguehard. Wm. H. Dickham. from $21 / 4-i n$ pots, $\$ 150$ ner doz.. $\$ 10$ per $100:$ Mme. M. Liger, fromow Eaton, Ethelyn, Miss A. BVron. from a $1 / 1-$ in pots, $\$ 4$ per 100 , $\$ 35$ nots, $\$ 3$ ner 100 . $\$ 25$ ner 1.000 : root. cut., $\$ 2$ ner $100 . \$ 15$ per 1,000: G. S. Kalb. P. Rose. Willowhronk, Miss M. Wanamaker, Ivory. Mrs. H. Robinson. Nivens, Chadwick Glory of Pacific $P$ Ivorv ${ }^{H}$. K. Shaw, Adela. M Perrin. A. .I. Palfolmr, M. Dean, Lav. Queen, The FIarrintt. MonMovia, $\quad$ r. Pitcher, Col. D. Anpleton. $f$. Gate. Maj. Fonnafron, Mrs. T. I. Fark, Cullineforili, K. Bronmhead. A. N. Plerann, Cromwoll. Conn

Chrysanthemunis - In variety. 1c
cmand Greentonises, Sencra. kin. urling best Pompon collertion in country. Snecial nrions on Pompons for sliort time. $\$ 2.50$ ner 100 . $\$ 20$ por 1,000 , Mringlection

Chrysanthemum-Includint arieties as Zilletto. Erenda. J. H. Dovle Jady Cranstnun, Mrs. D. V. West. Mrs, N. .T.

Chrysanthemums-Mrs. W. Duckham, for carti: \$7.50 per do\%. Merstham Yol-
 T. Ji. Dovia. N. Stevons, Mrs. H. A. Allon. Jmily Miloham, Morstham Rom, Val. Frepnlam, I idv rrancton. etre, sone each: \$5 per daz, \$90 per 100: W. Durkham, F. R. rharch. Г. Wrils, Cheltomi. Itarrison Firck, etr., \$S ner 100: Mrs. T. W. Pockett, B.J. Salter, Mrs. F. Thirkell, T. S. Vallis.
onis other slandard kinds. Charles IT. anid other stamdord
Totty. Mandison. N. J.

Chrysanthemums--Three new chrvsanhomms. Majostic, Arlelia and Madnnona, Rroitmoyer's Sons, Detroit, Mirh

Chrysanthemums - Pirst standard variFiselo, ilth and Jefferson st., philadel-

Clematis Iarkmani. 2 -vr. \$2.50 por
 \$25 [or 100 . Vaughan's Seed Store, Chi

Clematis-Jackmani, Mmr. E. Andre enryi. Ramona, z-year fielrgrown. W T. Smith Co. Geneva. N. Y.

Clematis-Clematis, $2-y r$, home krown, 1 per doz. $\$ 8$ per 100. 100. Paniculata. ber dnz.: $\$ 4$ per 100. F. A. Baller, Blonmington. Ill.

Clematis－Clematis Jackmani，2－yr－old． No．1，\＄1s per 100 ， 20 c each in smalled quantities， $2-y r$ ．old，No． $11 / 2, \$ 12$ yel $100,15 \mathrm{c}$ for smaller quantities Jienryi $2-y r$ ．－bld，No．$\$$ ， 1 S per $100,20 \mathrm{c}$ eitch ser 100 ， 15 c for smaller quantities．Mme上er Andre，2－yr－old，No．1，$\$ 19$ per 100 ， 21e each in smaller quantities；－yr． quantity．V．H．Hallock \＆Son，Queens，

Cobæa－Trans．from tiats， $21 / 4-$ in，fots $\$ 2 ;$ ruok eut．，$\$ 1$ per 100 ．By mail ad 10 c ner 100 root．cut and seedlings Cash with order．Ludvig Mosbaek Onarga，Ill．
Coleus－Chirty named leading var．T00 ver 100，$\$ 6$ yer 1,000 ．C．Humteld，Clay Center，Jian．

Coleus－Best bedders，60c per 100，root－ d cuttings，prepaid．Lyyer Floral Co Shippensburg，Pa．

Colens－Coleus in rarieties： $21 / 4-1 n ., \$ 2$ dd 10 c per 100 on rooted cuttines and seedlings．Cish with order．Ludvis Mosbatk，Onarga，Ill．

Coleus－Forty varieties， 70 c yer 100 ； $\$ 6$ per 1,000 ．

S．D．Brant，Clay Center，Kan
Coleus－Twelve var．， $2 \frac{1}{4}$－in．pots，$\$ 2$ Jos．H．Cunningham，Delaware，O．
Coreopsis－Coreopsis grandlfora， blooms large as Cosmos，most beautlful yellow，1－yr．old，\＄2 per 100；\＄15 per Martin Koha

Martin Kohankie，Painesville，O．
Cuphea－Cigar plant，$\$ 1.25$ per $100, \$ 10$
er 1，000．C．Humfeld，Clay Center，Kian．
Cyclamen－Cyclamen plants，once ransplanted，$\$ 2$ per $100, \$ 18$ per 1,000 ； twice transplanted，\＄3 per 100，\＄25 per well built stock，C＇．Winterich，Dehance， O．

Cyclamen－Cyclamen splendens gigan－ eum，hybrid seedlings，$\$ 3$ per 100 ，$\$ 25$ per I， 000 ．Paul Mader，E．Stroudsburg， pa．

Cyclamen－Splendens giganteum hy－ brids，in five true colors；seedlings，in－ cluding fringed variety，\＄4 per 100；\＄35 per 1，000．Lehnig \＆Winnefeld，

Danlia－Kaiserin Augusta Victoria， dbl．， 4 to 5 －in．diameter，stems 12 to 18－in．long，plants 3 to $31 / 2$ eet high； stock 100 ．Delivery May 1
N．A．L．Miller，Jamaica Ave．，Brooklyn， N． $\mathbf{T}$ ．
Dshlia－Dahlia，Mrs．Winters，$\$ 10$ per 100．W．W．Wilmore，Denver，Col．
Danlia－Dahlia Sylvia，divided fleld roots．$\$ 2$ per doz．，$\$ 15$ per 100 ．
Vaughan＇s Seed Store，Chicago snd New York．
Dahlia－Cactus Ingeborg Egeland， leading scarlet，$\$ 3$ per doz．；$\$ 20$ per 100 ． W．W．TVilmore，Denver．Col．

Dahlias－Complete set， 12 new Century； 25 new Cactus；Collarette dahlias；giant flowered，new rancy and decorative 38 single dahlias and 44 dbl．dahllas．L．
K．Peacock，Atco，N．J．
Dahlias－Good conimerelal sorts，large field clumps，$\$ 10$ per 100 ．Latavia Green houses，Batavia，111．

Dahlias－Winner of silver medal， World＇s Fair；send for list of up－to－dat dahlias．J． $\mathrm{H}^{2}$ ．Alexander，E．Bridge

Dahlias－Finest collection in U．S．W
Lothrop．E．I＇ridgewater．Mass．
Daisies－Paris Daisy，giant，2－1n．2c． Byer Bros．，Chambersburg．Fa．
Daisies－ 10.000 Shasta daisies， 50 c per oz．，$\$ 0$ per $100, \$ 25$ per 1,000 ，prepaid
Daisy Longfellow and Snowball， trans：，\＄1 Fer 100 Cash with order 1，Indis Mosback，Onarga，Ill．

Deutzis．－Easter stock．Deutzias for forcing：strong，two－year－old fleld－grown plants，for $6-1 n$ ．pots．Gracilis rosea，\＄1 per doz．，$\$ 8$ per 100 ．Gracllis Lemoinel， $\$ 1$ per doz．，$\$ 8$ per 100 ．
St．，Philsdelphia．

Deutzia－Deutzia Gracilis，7－in．pots， $15 c$ eduh，\＄1．60 per duz．，\＄1z per lu0； veutesa Lemulnet， 7 －in，vots，4uc each， $\$ 3.50$ per doz．，$\$ 25$ per 100.
$\checkmark$ auslians seed store，Chicago and New lurk．
上racæna－Lracitna indivisa，per luu， 21／2－111．，\＄3；3－1n．，\＄4．

Harrisurl Co．Palnesville．O． Dracæna－Uraciena indivisa，ن̈－1n．Lu 4－ in，\＄4 and $\$ 10 ; 21 / 4-i n$ ．root．cut．，\＄．$p$ per 100．Ly mail add lue per 100 rout．cut． and seedlings Casl with order．Jud－
log Musbatek，Onarga，1ll． g Musbatk，Onarga， 11.
上ıacæna－macund indrisi，$\overline{3-12}$ ．$\overline{T 5 C}$
 duz，$\quad$ u－in．lots $\$ 3$ ver doz．

Dusty miller－Xrans，from Hats， $21 / 4$ in．pots，\＄2；luot．cut．，\＄l per 1u0．By mand add 10 c per 100 roat．cut．and seed
lings．Cash with order．Ludvig Mos baek，Onitrga，Ill．
baster stock－E゙aster nluts，hydran－ geas，splrua Gladsione，rhododendrons， gemistas．

K．Dreyer，Woodside，L．I．，N．Y．
Easter Stock－ 4,500 Eiaster lilies， $11 / 2$
 luc per butips and dafodils．C．Wehn，Saratobis tulips and daff
slrings，$N$ ．

Easter Stock－60，000 lilies ready superb stock，$\$ 125$ per 1,000 ；Hydrange Utaksa， 3 to 16 bluoms， 25 c per bloom azaleas，all sizes trom 50 c to $\$ 3$ each spiræa Gladstone，rhododendrons，deut zias，genistas，hyacinths，tulips；dafio dils in pots and pans．Lake view Ros Gardens，Jamestown，N．I．

Easter Lilies－Red stemmed gigan teum Liaster lilies，plants from -0 to 36 in．higin；in plants，$\$ 130$ per 1,000 ．Poelll mamn Bros．Co．，＂35－37 Randolph St．，Chi cago．

Easter Lilies—Hinode Florist Co．，
saster stock－Spireas，at $25 \mathrm{c}, 35 \mathrm{c}$ and 50 c each．Hyacinths，in 4 －in．pots，at $\$ 1.20$ per doz．Azaleas at $\$ 1 \$ 1.20$ and and $\$ 1$ each．Cunnas at $\$ 5$ per 100 ．

Geo A．Kuhl Pekin，Ill．
rerns－boston ferns，3， 4 and 5 in．， lso $21 / 2-i n$ ．for bedding out．Plumosus and Sprengerj， $23 / 2,3,4,5$ and 6 in ．
Geo. A. Kuhl, Pekin, Ill.

Fern－Nephralepis Scottii，6－in．pot grown，ready for 8 －in．，$\$ 15$ per doz； $7-$
in．pot grown，$\$ 24$ per doz．； $8-\mathrm{in}$ ．pot in．pot grown，$\$ 24$ per doz．； $8-1 n$. pot grown，$\$ 36$ per doz．John Scott，

Leap St．Greenhouses，Brook $5,6,7$ nd $8-\mathrm{in}$ ，pots at $\$ 25, \$ 50, \$ 75$ and $\$ 100$ per 100． 45 L．H．Foster，

Ferns，Etc．－Boston，Plersoni and Scottii lerns．Geo．A．Kuhl，Pekin，Ill．

Ferus－Fancy ferns，$\$ 1.50$ per 1,000 ； dagger ferns．$\$ 1.25$ per 1,000 ；galax， 75 c per 1，000．$\$ 6.50$ per case of 10,000 ．Laurel festooning，4c，5c， 6 c per yd．；wild sml－ lax，$\$ 5.50$ per $50-1 \mathrm{~b}$ ．case；laurel and Princess pine wreaths．

Crowl Fern Co．，Millington．Mass．
Ferns－Ferns in 4， 5 and 6－in．pots， strong，healthy，well roated from bench， at $15 \mathrm{c}, 20 \mathrm{c}$ and 30 c respectively．

John Brod，Niles Center． 111.
Ferns－Assorted ferns，\＄6 per 100 ； ready for fern dishes．Chestnut Hill，Phlla－ delphia．
Eerns－Boston ferns，fine young plants，$\$ 10$ per 1,000 ．Sittle River，Fla．

Ferns－Adiantum pedatum（haris maidenhair，strong， 10 c ；small， 5 c ． Nemalar Grenhouses，Seneca，Kan．
Ferns－Neplirolepis Eostoniensis Neph．cordata compacta and Neph．Pipr－ soni，from $2^{1 / 4}-i n$, pots，$\$ 3$ per 100.
Nothan Smith \＆Son，Adrian．Mich．
Ferns－Poston ferns， 3 －in．，$\$ 8 ; 4$－in．
 boc： 111 ．

Ferns－boston， 3 to $4-\mathrm{in}$ ．$\$ 1$ and $\$ 12$ 21 －in．，\＄3 per 100 Cash with order
ludvig Mushar，Dinarga，11］．

Feverfew－I，ittle Gem， $21 / 4$－in．， 60 c per doz．，$\$ 4$ per 100

Henry A．Dreer，Philadelphia．

Feverfew－From sand，1c；ふ－kn，
Feverteq－Little Gem，true，ご， 1 ，root．cut，\＄1 ler 100．hy manl dosi ersh wiul order．Ludvis Musolion Unarga， 111.

E＇zcus－l＇icus elastica，$\overline{6}$ and $7-11 \mathrm{~b}$ ，$\$ 6^{\circ}$ o \＄y per doz．Godtrey Aschmann，

1012 Ontario St．，Philadelphaia
Forget－me－nats－Three valuclus． riuns．，\＄1 per 100．Cash with osder Ludvig Musbaek，Unarga，Ill．

上ucnsias－ruchsias，rooted cuttings，u best varieties，yuc per 100.

Lyer Bros．，Chambersburg，Pa．
tuchsia－Six mamed var．， $2{ }^{1} 4=1 \mathrm{n}$ ．，\＄2．50， out．cut，\＄1 ver 100．By mail add Coe will urder．Ludvis Mosbaek，Onanti 111.

Fuchsias－Huoted cuttings，Trophee
 Heer Florad Co．Shippensburg．Ya

Gardenias－Gardenia plants and jes－ samme，our leading specialty．Natural gruwng conditions here ideal． 1 yr．，I\＆－ 44－in．，$\$ 1.50$ per doz．；$\$ 10$ per 100 ．
¿．W．Benson，Alvin，Tex．
Geraniums－Geranium Melegraph，bed－ hing out，conservatory or window；strong padits， 74 －in．，$\$ 15$ per 100
＂lhumas Levoy \＆Son，Poughkeepsie， N．Y．
Geraniums－Jean Viaud，S．A．Nutt， Castellane，John Doyle and Ferkins． Single and double Gen．Grant，La Fsv－ orite， $2-1 \mathrm{n}$ ．pots，$\$ 2.50$ per 100 ．

Geo．M．Emmans，Newton，N．J．
Geranıum－1，000 Centaur，4－in．pots； n ulu and bloom，fine pink $\$ 6$ per 100 ．Wm．B．Sands，Lake Roland， Baltimore．
Geranium－S．A．Nutt geraniunis， healthy， $21 / 2-1 n ., \$ 3.50$ per 100.

Geraniums－1en var．， $21 / 2-1$ n．pots，$\$ 3$ per 100 ； 10 var，， $31 / 2$－in．，$\$ 4$ yer 100.

Jus．H．Cumnlngham，Delaware，O．
Geramium－llave this stock by the 100，000．liooted euttings；his lot ready． Abbert M．Herr，Lancaster，Ц＇a．

Geranium－In varieties，${ }^{21,4-i n}$ ．pots $\$ 2.50$ ver 100 ．By mail add 10 c per 100 ruot．cut．und seedlings．C＂ash with

Geramium－2，000 rose geraniums， 214 in．，$\$ 2.50$ per 100 ，$\$ 22.50$ per 1,000 ．Maplt ty Greenhouses，Honesdale，Pa．
Geranium－Orosa and snow uueen from $2{ }^{2}-$ in．pots，$\$ 15$ per 100；Geranium Mme．solleroi，from 21m－in．pots，$w=50$ ler 100．N゙athan Smith $\&$ Sun，Adrian ich．
Gloxinia－Lirge size，four separafe colors，\＄4 per $100,5 \mathrm{c}$ each tor sinallor Golden Glow strong plants，b0c per gon，\＄5 Mor 1，000．C．G．Nanz，Owens－ Heluotrope－Heliotrope， 75 c per 100 ， Byer Bros．，Chambersburg，Pa．
Heliotrope－Rooted cuttings， 12 vari \＄1 per 100 ；\＄8 per 1，000．
S．D．Brant，Clay Center，Kan．
Heliotrope－Rooted cuttings，\＄1 per 00，prepaid．Byer Flaral Co．，Shlppens－
urg．Pa．
Heliotrope－Vark blue heliotrope in mal and bloom， 4 －in．，$\$ 6$ per 100 ．IIIIl

Heliotrope－1u varieties， 21 －in pots． ：root，cut．，$\$ 1$ per 100 ．Ey mail add bo ner 100 root．cut．and seedlinss． with order．Ludvig Mosbaek

Heliotrope The best named var．\＄ ner 100 ，$\$ 5$ per 1，000．C．Humfeld，Clay

Honeysuckle－（Halleana），5－in pots 1.50 rer doz．$\$ 10$ per 100 ．C．Eisele Th and defferson St．，Philidelphia．
Ivy－German ivy，${ }^{2}$ ，in．pots．$\$ 2.50$ ings， 50 c per $100, \$ 4.50$ per 1,000 cut－ City Greenhouses，Honesdale，Pa．Maple
Hollyhocks－Dreer superb double hol－ yhocks，separate colors，\＄1．25 per doz．， $\$ 10$ per 100

Henry A．Dreer，Phliadelphla．

Eollyhocks-Double fild-grown, $\$ 3$ per 100. W. W. Wilmore, Denver, Col.

Hyacinth - Large assortment hyaInths in pans at $\$ 9$ and $\$ 12$ per doz for Easter.

Eydrangea - Hydrangea paniculata randiflora, $21 / 2$ to 3 feet, $\$ 1.50$ per 100 $\$ 11$ per 1,000 ; 12 to 18 -in., $\$ 1$ per 100 , \$8 per 1,000. Otaksa, red branched,
'Hos. Hogg, 2 -yr. pot grown, $\$ 5$ per 100 , 'l'hos. Hogg.
$\$ 35$ per 1,000.
Vaughan's seed Store, Chicago and Jew York.
Hydrangea- 3,000 hydrangeas, 75 c to
5 each, for Easter.
H. C. Steinhoff, W. Hoboken, N. J.
Hyarangeas-Hydrangea otaksa.
Gyarangeas-Hydrangea 10 Ontario St., Philadelphia.

Ivy-German ivy, $2-i n$. New $\$ 2.50$ per 100.
Geo. M. Emmans, Newton, N. J. Ivy-Hardy ivies, $21 / 2-i n$. pots
to 10 in. In heiglit, $\$ 5$ per 100 .
to 10 in. In height, $\$ 5$ per 100 .
C. A. Knapp, Chestnut Hill, Philadelphia.

Japanese Novelties-"'iny plants in $z$ and - -in. $\$ 25$ per 100 . Rhapis, 5 to 15 shoots, 50 c each.

Hinode Florist Co., Woodside, N. Y.,
nd Whitestone, L. 1., N. Y.
Lantana-Five best varieties, \$1. ${ }^{2} 5$ per $00, \$ 10$ per

Lilies-Japan and Harrisil Illies
Godfrey Aschmann, 1012 Ontario St.,
Philadelphia.
Lilies-Cape Cod, pink pond lilies, strong, flowering roots, $\$ 3$ per do
Podish, W. Barnstable, Mass.
Lilium Harrisi-LLilium Harrisii bulbs coming season. J. NI. Thorburn \& Cor 36 Cortlandt St
Lilium Longitorum-20,000 pots; 12c bloom, for Easter
H. C. Steinhoff, W. Hoboken, N. J.

Iobelia-Lobelia, dwarf blue, $\$ 1$ per oi.
Hill Top Greenhouses, Utica, N. Y.
Ophiopogon-Ophiopozon Jaburan olden striped, finest plant for dish planting, 3 -in. $\$ 8$ per $100 ;$ hardy as Aspidistra. Ah St., Chero.
Orchid-Orchid Cypripedium insigne, A1, 5 -in. plants, $\$ 1$ cash. Orchids-Orchids, per 100: Cyprlpedium insigne, $\$ 8$; Cypripedium callosum, \$20; Cypripedium Laurenceanum, \$25 Dendroblum formosum, giganteum, \$ per doz. $\$ 70$ per 100; Vanda Corulea 10 to I2 lbs., \$15 per doz.: 12 to 15 lbs . $\$ 22$ per doz. Jullus Roehrs Co., J.
Exotle Nurseries, Rutherford, N. J.

Orchids-Cattleya labiata autumnalis Stanley \& Co., Southgate, England.
Orchids-Largest growers, importers, exporters and hybridists in the world Sander, St. Albans, England

Orchid-Cattleya lahiata, also large stock established orchids. Lager \& Hur rell, Summit. N. J

Orchid-Cattleya Schroedere a grand well assorted importation just arrived Stanley \& Co., Southgate, England

Palms, Etc,-Growers and importers, palms and ferns; decorative plants Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Paims, Etc, Palms, ferns and decoJohn Burton, Assignee for Robert Craig \& Son, Market and 49 th Sts., Phll. adelph1a.

Palms, Etc.-Kentia Belmoreana and Kentla Forsterdana
oseph Heacock, Wyncote, Pa.
Palmg, Etc.-Latania Bor., 2-in. pot, seed leaves, $\$ 3$ per 100 ; Latanla Bor., 3 in. pot, 15-18-ln., 2-3 chr, lvs., \$12 per 100; Latanla, Bor., 6-in. pot, 18-20-in., 3chr. IVs., $\$ 15$ per 100; Latanla Bor., $5-1 n$ jot, $20-24-1 n ., 4$ chr. lvs., $\$ 20$ per 100 Kentla Bel., $21 / 2-1 n$. pot, $6-8-1 n$., 2 leaves, $\$ 10$ per 100 ; Kentla Bel, $3-1$ n. pot, $8-10-$ in., $3-4$ leaves, $\$ 12.50$ per 100 ; Kentla
Bel., $4-1 n$. pot, $12-16-1 n$. $4-5$ leaves, $\$ 16$ Bel., $4-\mathrm{in}$. pot, $12-16-1 \mathrm{n}$. $4-5$ leaves,
per 100.
Sherman Nursery Co.,
Charles City, Ia

Charles City, Ia
Palms, Etc.-Palms, ferns and deco-
R. Dreyer, Woodside, I_ I., N. Y.

Pansies- 100,000 now in bloom, extra large field-grown plants: they are the kind that sell; $\$ 2$ per 100 , $\$ 20$ per 1,000 seedlings $\$ 3$ per 1,000. A. A. Sawyer, 22
S. Harlem Ave.. Oak Park. Ill.
Pansies-Extra fine stock in bud and bloom, $\$ 1.25$ per $100, \$ 12$ per 1,000. Park Floral Co. Grand Rapids, Mich

Pansies-The Jennines strain, cold frame plants, in bud and bloom, mixed colors; ready April 1.1 .50 per 100 Cash with order. E. B. Jennings,

Pansies-200,000 fine large plante of the famous large fowering Bugnots 100; \$3 per 1,000. Extra large plant coming in bud, $\$ 1$ per 100.

Hill Top Greenhouses, is Gray Ave.,
Pangies- 100,000 pansy plants, $\$ 10$
pansies- Unrooted cuttings, half price of rooted. Loomis Carnation Co.,

Pansies-Pansies, strong, transplanted Vaughan's Giant mixture, 75 c per 100 sample for stamp. Nemaha Greenhouses Seneca, Kan.
Pansies -300.000 splendid plants, ready to ship. $\$ 12.50, \$ 10$, $\$ 6.50, \$ 4$ and $\$ 3$ per 1,000 , according to size of plants sample free. Cash with order. Ludvig Mosbaek. Onarga, Ill.

Pansies-White, black, blue, purple and yellow, separate colors. trans. \$1 per Onarga, Ill.

Pansies-Fine plants. $\$ 5$ per 1,000. C O. Williams, Batavia, 111 .

Pansies Pansies, \$2 per 100
Eisele, IIth and Jefferson St., Philadel. phia.

Peonies-Peonies, $\$ 6$ to $\$ 12$ per 100
O. Williams. Batavia, Ill.

Peonies-Specialists in peonies. Cottage Gardens Co., Inc., Queens, L. I.,
N. Peonies-Choice white; strong divided plants, 3 to 5 eyes, in quantity. Festiva maxima, 35 c ; Q. Victoria, 12 c ; Golden Harvesc, zoc. Urder at once, spring deLlvery. ${ }_{603} \mathrm{~W}$. Peterson Ave., Chlcago.
reonies-reonies and hardy planis W. W. Wilmore, Denver, Cot.

Petunias-Hooted cutungs, 10 best sorts, $\$ 1$ per 100 , prepaid. Byer Floral Co., Shippensburg, Pa.

Petunias-Dbl. petunias, rooted cutings 10 Hnest, $\$ 1$ per 100

Byer Bros., Chambersburg, Pa.
Petanias-Double petunlas, \$3 per 100; seddlings $\$ 2.50$ per 100.
os:
Petunias- youble firinged petunta. Six distinct novelties, labeled, $\$ 1.25$ per $100, \$ 10$ per 1,000, choice rooted cuttings
Petunias-20 varieties, $\$ 1.25$ per 100 , $\$ 10$ per $\mathbf{1 , 0 0 0}$.
S. D. Brant, Clay Center, Kan.

Petunias-Petunias, dbl., fringed in Top Greenhouses, Utica, $N$. Y
Petunias-Dbl. fringed, $21 / 4-i n$. pots, 2.50 yer 100 ; single fringed, trans. strong, $21 / 4$-in. pots, $\$ 1$ to $\$ 2$ By mail Cash with order. Ludvig Mosbaek, Cash warga, 111

Petunias-King's double white, $\$ 1.25$ per I00, $\$ 10$ per 1,000 . C. Humfeld, 'lay Center, Kan.
Phlox-Mardy perennial phlox, Dreer's ollection, $3-i n$. pots, $\$ 3$ per $100, \$ 5$ per on. C. Nanz. Owensboro, Ky
Pinks-Hardy pinks, six best varleties 4-1n. pots, 76 c per doz., $\$ 6$ per 100.

Henry A Dreer, Philadelphia.
Poinsettias - Stock plants, dormant -in. vots, $\$ 1.50$ wer doz.; \$10 per Io0.
$\therefore$ Eiselc, 11 th and Jefferson St., Philadiphia.

Primroses-Primroses Chinese, Obdellvery. Cunningham, Delawsre, O.

Roses-Roses from $21 / 2-1 n$. pot, clean, healthy stock Bridesmald, Bride, Gol den Gate and perle at $\$ 3$ per 100; Sun Tise. \$4. L. Rock Flower Co., Kansas City.

Roses-We grow over 100,000 annually. All the best varieties, at current prices. Send us your order.

Geo. A. Kuhi, Pekin, Ill,
. Eoses-American Beauty, La France and Bride. Godfrey Aschmann, 1012 Ontario St., Philadelphia

Roses-2 $1 / 2-i n$. pot plants: Richmond, 30 per $10, \$ 20$ per 100 , \$200 per 1,000 : English, $\$ 25$ per $100, \$ 200$ per , $\$$ rise, $\$ 4$ per $100, \$ 30$ per 1,voo: Herife von Godesberg, $\$ 5$ per $100, \$ 40$ per 1,000: Liberty, $\$ 5$ per 100 , $\$ 45$ per 1,000 ; La Detroit, $\$ 6$ per $100, \$ 50$ per 1,000 ; Uncle John, $\$ 4$ per $100, \$ 35$ per 1,000; Kalserin, $\$ 4$ per 100, $\$ 30$ per 1,000; Bridesmald, $\$ 3$ per 100, $\$ 25$ per 1,000; Bride, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Ivory, $\$ 3$ per $100, \$ 25$ per 1,000; Perle, $\$ 3$ per $100, \$ 25$ per 1,000 ; A. Beauty, $\$ 6$ per 100 , $\$ 50$ per 1,000 ; American Beauty bench plants, $\$ 6$ yer $100, \$ 50$ per 1,000 . Pe
Roses-Young atock of roses ready to ship; 1 rom $2-1$ n. pots: Bride, $\$ 3$ per 100 , 326 per 1,000i Bridesmaid, $\$ 3$ per 100 , $\$ 25$ per 1,0u0; Meteor, $\$ 4$ per 100, $\$ 30$ per 1,000; Golden Gate, $\$ 3$ per $100, \$ 25$ per 1,000; Chatenay, $\$ 3$ per 100 , $\$ 26$ per Wietor Brothers, 51 Wabash Ave. Chicago.

Roses-4,000 Crimson Ramblers, $\$ 1$ to $\$ 5$ each; 3,000 rose plants, $\$ 6, \$ 9$, $\$ 1 \%$ per doz. for Easter
H. C. Steinhoff, W. Hoboken, N. J.

Eoses-Bride, Bridesmald, Perle, Ivory, G. Gate, Etoile de Lyon, Mrs. Cant, Cochet, Bon Silene, etc., $\$ 4$ per 100, $\$ 38$ per $1,000,3$-in. pots. Same var., Hill. Co. per $100, \$ 25$ pe
Kichmond, Ind.

Roses-Roses, ${ }^{1 / 4}-3 n$ pots, strong plants. Mald, Bride, White and Pink Cochet, $\$ 2.60$ per $100, \$ 20$ per 1,000 Amerlcan Beauties, $21 / 4-1 \mathrm{n}$. pots, $\$ 5$ per
100 pot plants, $\$ 6$ $100, \$ 40$ per 1,$000 ; 3-1$
$100, \$ 50$ per 1,000 .
per $100, \$ 50$ per 1,000 ,
C. W, Relmers, Station $A$, Loulsville, Ky.

Roses-Laster stack. Baby Rambler rose, Mme. Norbert Levavasseur, 1year doz, $\$ 35$-ger 100.
per doz., $\$ 35$ per 100.
Henry A. Dreer, Inc., 714 Chestnut t. Philadelphia.

Rose-Gen. MacArthur, $21 / 2-1 n$. pot plants, $\$ 10$ per 100 , $\$ 80$ per 1,$000 ; 3-1 n$. Pla per 100 .

Roses-Forcing and bedding roses. A Beauty, $21 / 2-i n$. pots, $\$ 5$ per 100 ; Muriel Graham, fine for forcing, Sept. propagat ing, strong, 3-in. pots, \$10 per 100; $\mathbf{P}$, Rambler, ${ }^{3-1 n}$. pots, strong, $\$$ year), climbing Marie New roses last year), Comte Amadee de Foras. Mme. T. Cusin, Peace, all Sept propagating, strong, $3-\mathrm{in}$. pots, $\$ 1.25$ per doz. Oxford Retreat, Oxford, O

Roses-Grafted rose stock, Kaiserin and Carnot, $21 / 4-1 n$, pots, $\$ 16$ per $100 ; \$ 120$ per 1,000. Our root stack, Kaiserin, Car $\$ 4$ per 100 , $\$ 35$ per 1,000 . W. H. Elliott, Brighton, Mass.

Roses-Gen. MacArthur roses, $\$ 10$ per $00, \$ 90$ per 1,000; Chatenay, $\$ 3$ per 100 $\$ 25$ per 1,000 . Gasser Co., Cleveland. O.

Roses-60,000 grafted roses for forcing. Delivery April, May: June. Liberty, rose pots, per 100; 3/2-in. pots, Gate Kaiserin rose pots, $\$ 10$ per 100 ; $31 / 2$-in. pots, $\$ 15$ per 100 .

## J. L. Dillon, Bloomsburg, Pa.

Roses-Fine, clean stock from $21 / 2$-in ots, $\$ 2.50$ per 100, $\$ 20$ per 1,$000 ; \mathrm{Ma}$ man Cochet, 2 var., Hermosa, M. Niel, Neteor, Cl. Meteor, Burbank, C. Soupert, Etoile de Lyon, Ivory, G. Gate, Bride, Bridesmaid, Duchesse de Brabant, Bon Silene, Agrippina, Pillar of Gold, Solfaterre, Marie Guillot, M. Van Houtte, Gruss an Teplitz, F. Kruger, Perle des Jardins, Mme. Welche, Sana marque, Wootton, D. of Albany, Helen Gould, Cl. Wootton, D. Gontier, Chatenay, Folkestone, Pair Gontier, Chatenay, Falmalson, c'lara Watson. R. H. Murphey, Urbana, Ohis.

Roses-A complete list of all the forcing varieties, both new and old. John N. May, Summit, $N$. J.

Roses-Grafted and own root stock of IVory, Bride, Bridesmaid, Meteor, Mme. Hoste, G. Gate, Mrs. P. Morgan, Mme. A. Chatenay. Grafted, $\$ 15$ per $100 ; \$ 120$ per 1,000. Own roots, from $21 / 4-$ in. pots, $\$ 5$ per 100; \$45 per 1,000. Sunrise, on own roots, from $21 / 4$-in. pots, $\$ 8$ per 100. A. Beauty, own roots, from $21 / 4-\mathrm{in}$. pots, $\$ 8$ per 100 ; $\$ 75$ per 1,$000 ; 3-\mathrm{in}$. stock, 12 per grafted Killarney in $21 / 2-i n$, pots. $\$ 25$ per
00. A. N. Pierson, Cromwell, Conn.

Roses-The new Rose Wellesley in $21 / 2-\mathrm{in}$. pots, at $\$ 25$ per 100 ; own root plants. Several thousand Bride and
Bridesmaid roses in $21 / 2-\mathrm{in}$. pots, $\$ 10$ per 100; 1.000 rate on application.
Waban Rose Conservatories, Natick, Mass.
Rose Plants-Dridesmaid, $\$ 3$ per 100 , $\$ 25$ per r,000; Eride, $\$ 3$ yer $100, \$ 25$ per 1,000; Golden Gate, $\$ 3$ per $\$ 3$ per 100 , $\$ 25$ per $\mathrm{x}, 000$; Chatenay, $\$ 3$ per 100 , $\$ 25$ per 1.000 ; $21 / 2$; in. put plants. George Reinberg, 51 Wabash Ave., Chicago.
Roses-The tine new pink rose, La
 1,000; J $1 / 2-121$. pots, $\$ 1 \pm$ per $100, \$ 100$ per Mich.
Roses-We grov A. Beauty, Liberty, Lride, Bridesmaid, Chatenay and other Yancy roses. Bassett do Washburn, 76 Wabash Ave, Chicá").

Rudbeckia-Golden Glow, 4-in. pots, 5 c per doz., $\$ 6$ per 100 .

Rudbecria-Lormant l-yr ald stock
Rudbecka-Dorniant, 1 -yr, old stock, Gorden Glow, Newmani, Trilaba, 3-in. $\$ 3$ Mich.

Salvia-Salvia splendens, $\$ 1$ per 100.
Hill Top Greenhouses, Utica, N. Y.
Salvia-Salvia, Mrs. C. N. Page, a new scarlet salvia of great merit. Besides possessing more than all the good qualities of other good salvias it can be had in bloom for Thanksgiving and Christmas, Write for descriptive catalogue. 2-in. pots, $\$ 1$ per doz., $\$ 6$ per $100 ; 4-1 n$ pots, $\$ 2$ per doz.. $\$ 12.50$ per 00 . Lowa Seed Co., Des Molnes. Ia.
 per 1,000.

Frank A. Plerson, Cromwell, Conn.
Salvias-Six varletles, \$t per 100; \$8 per $1,000$.
S. D. Brant, Clay Center, Kan.

Salvias-Bonfire and St. Lauis, $\$ 1$ per C. Humfeld, Clay Center, Kan.

Salvias-Salvia, two best, Lord Fauntelroy (dwarf), Bonfire (tall), \$1 per 100 . $\$ 8$ per 1,000 , cholce rooted cuttings.

Salvias-10,000 fine large 2-in. Salvia splendens', $\$ 1.50$ per 100 , $\$ 15$ per 1,000 . s. W. Carey, Urbana, O.

Salvia-Salvia splendens and Eonfire, $1 / 4-1 \mathrm{n}$. pots, fine plants, $\$ 2$ per 100. C (: Nanz, Owensboro. Ky
Salvia-Rooted cuttings, Bonfire and Splendens, 90 c per 100, prepaid. Byer Floral Co., Shirpensburg. Pa.

Salvia-In varieties, $2 \frac{1}{4}$-in., $\$ 2$; root cut, $\$ 1$ per 100 . By mail add Ioc per 100, root. cut. and seedlings. Cash with

Smilax-Smilax plants, strong, $21 / 2-$ C. $\$ 1.50$ per 100 . Pollworth Co., Milwaukee. Wis

Smilax-If you buy 25 plants or 25,000 send for prices; have this stock by the
100,000 . Albert M. Horr, Lancaster, Pa.

Smilas-Trans, from ilats, $\$ 1$ per 100 ; 25,000 smblax trans. from flats, strong, $\$ 8$ per 1,000. Cash with order. Ludvig Insbaek, Onarga, Ill.
Smilax-Smilax from 2-in. pots, $\$ 1.50$ per 100; $\$ 12.50$ per 1,000

Good \& Reese, Springfleld, O.
Snapdragon-Three fine snapdragons. our giant pink, a grand white, and
John Breitmeyer's Sons, Detroit, Mich
Spiræa-Spirea compacta florlbunda Japonica and Gladstone.
Godfrey Aschmann, 1012 Ontarlo St.

Spring Stock-Azaleas; 50 c to $\$ 3 ; \mathrm{hy}$ drangets, $\$ 1$ to $\$ 5$; genistas, 20 c to $\$ 1$;
wistarias in bloon, $\$ 2$ u $\$ 10$; nyacinths in pans, 75 c to $\$ 1$; \$piraea, 25 c to 75 c Hinude Florist Co., Wuodside and Whate-
spring stock-A. Sprengeri, strung üin. put plants, \$3 per 100, Acalypha bicolor compacta, from $21_{1 /}-1 n$. puts, $\$ 4$ per 100 ; Begonia manicatit aurea, :3i4-1n.
pots, $\$ 5$ per 100 ; Cardx Japunca variepots, $\$ 5$ per 100 ; C'arux Japuntca varie-
 brella plants, cyperus alternifulius, from $21 / 4$-in. pots, $\$ 2.50$ per 100 ; Feverterv Lit tle Gem, Irom $21 / 4-i n$. puts, $\$ 2.50$ per 100 ; lemon verbena, Irom $21 / 4-1 n$. pots, $\$ 3$ per luv; Lobelia gracilis, 1 rom $21 / 4-i n$. pots $\$ 2.50$ per 100; Mirandia, from : $1 / 2-11$ pots, $\$ \pm$ per 100; Sansevieria Zeylanica, from $21 / 2-2 n$. pots, $\$ 5$ per 100 ; sweet alys Sum, dbl., troms $21 / 4-1 n$. pots, $\$ 3.50$ per 100. Nathan smith \& Son, Aurian, Much.
spring stock-Yuu will need some of the tollowing for your retall trade. We guarantee quallty; send your order now we ship when you say the word: Hy drangea panlculata grandifora, 3 to 4 teet, heavy branched, $\$ 1.25$ per doz., $\$ 10$ per 100; Crimson Kambler roses, extra strong stock, $\$ 1.75$ per doz., $\$ 13$ per 100 ; H. P. roses, 2-year-old, named varietles \$1.50 per doz., \$11 per ku0; Clematis Jackmini and sorts, large 3-year-old stock, $\$ 3.75$ per doz., $\$ 30$ per 100 , Ampelopsis Veitchi, extra heavy, Holland grown, $\$ 1.65$ per doz., $\$ 12$ per 100; tree $\$ 4.54$ per doz $\$ 35$ per 100 ; Aristolochla 4.5uper Dutchinans pipe, extra strong, $\$ 3.76$ per doz., \$30 per luo. Bulos. Dahlia roots, In cosculen 5 in in 40 c er 02.00 . 20 . foc per doz., \$2.50 per 100; 10 to 12 in. per voz $\$ 7$ per lou: 12 'in and up $\$ 1.75$ per doz st3 per 100 . Cannas. perned varletles, assorted, 50 c nas, good $\$ 3$ ver 100. Gladiolus, finest mixed 15 c per doz., it per 100. And a complete aserm., etc. Write for prices on any stock in this line you might want. We can and will make it worth your while. E. F. Wlnterson Co., 45-49 Wabash Ave., Chicago.
Spring Stock-Hlants from $21 / 2$-in. pots, $\$ 3$ per 100: A. plumosus, comorensis Sprengeri, decumbens, alyssum, antirr chaffelit, cobwa scandens, clematis paniculata, Dracana indivisa, tuchsias teverfew, Little Gem: Geranium, Mos Salleroi, Mrs. Parker; lobelia; nastur tium, dwarti petunias plop Drum mondi, salvia, etc. C. Eisele, 11th and Jofferson St. Philadelphia

Spring Stock-Rooted cuttings of vincas, ageratum, petunias, sw. alyssum, fuchsias, cuphea, salvias, coleus, cannas feverfew, marguerites, nasturtium, rose geraniun, centaurea, etc. Geo. A. Kuhl, Pekin, 111.
Stocks-Double white, for Easter, \$I per 100, $\$ 8$ per 1,000.

Hill Top Greenhouses, Utica, N. Y.
Umbrella Plants-Umbrella plants, 2-
Byer Bros., Chambersburg, Pa.
Umbrella Plants-1rans, from tlats, I or 2 in., $\$ 2$ per 100 . By mail add 10 c
ner 100 raot, cut. Cash with order. Ludler 100 raot, cut. Cash wit
vig Mosbaek, Onarga, Ill.
Verbena-Verbena, य-1n. pots, \$2 per
00 . Geo. M. Emmans, Newton. N. J. Verbenas- 500,000 verbenas, 60 varieties, perfectly healthy. Prize rooted cuttings, 60c per 100, $\$ 5$ per 1.000 ; plants, $1 / 2$-in. pots, $\$ 2.50$ per $100, \$ 20$ per 1.000 . J. L. Dlllon, Bloomsburg, Pa.

Verbenas-Nammoth verbenas, boc per 100, $\$ 5$ per 1,000; $21 / 4$-in., $\$ 1.50$ per 100

Vegetable-Plants price list mailed free. 'ash with order, Ey mail add 100 per 100 root. cut. and seedlings. Lud-
vig Mosbaek, Onarga, 111 .

Verbenas-Verbenas, 剩 yer 100 . Jus. H. Cunningham, Delavan,

Verbena-Rooted cuttings, 60c per 100; $\$ 5$ per 1,000. C. IIumfeld, Clay Center. Kan.

Verbena-Lemon verbena, $21 / 4-i n$ pots $\$ 2.50$ per 100 . By mail add 10 c per 100 colors, trans., $\$ 5$ per 1,000 , root. cut. 60 c per 100 . Cash with order. Ludvig Mos-
$\nabla$ inca-Vinca variegata, $3-1 \mathrm{In}$. pots, $\$ 5$
per 100.
Frank A. Plerson, Cromwell, Conn.
Vinca-Vinca vine, variegated, $\$ 2.50$
${ }^{\text {per }}$ Jas. H. Cunningham, Delaware, o.
Vinca-Vinca var., $3-\mathrm{in}$., $\$ 5$ per $100 ; 4$

Vinca-Vinca, 3 -in., $\$ 6$ per 100; 244 in. 82. ront, cut, \$1 per 100. By mail Cash with order. Ludvig Mosbaek, Unагқa. Ill.
Vinca-Vinca major variegata, 3 -in. rot plants, ${ }^{85}$ per 100; vinca (zreen) Son, Adrian, Mich.
Vines-Clematis paniculata, 2 -yr., 10c; A. Veitchi, 10c: American ivy, 8c; honeysuckle, Hall's, et
Vines-live, 3 - in. 75 c per doz, $\$ 5$ per 100; $4-\mathrm{in}$. pots, $\$ 1.50$ per doz., $\$ 10$ 'per 100 . Moon vines, 3 in. yats 75 c , per doz., $\$ 5$
per 100. E. Eisele, Philadelphia.
Violets-Grand Rapids violet stock from bench, M. Louise, Imperial and 1,000 ; rooted cuttings. $\$ 10$ per $\$ 10$ per fots, $\$ 2.50$ per 100 , $\$ 20$ per 1000 , rooted cuttings of Campbeli, $\$ 5$ per i 000 . Crabb \& Hunter, Grand Rapids, Mich.
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Violets-Rooted cuttings.
Ell Cross, Grand Rapids, Mich.
Violets-Strong sail plants of Lady
Campbell. Wm. Swayne, Philadelphia.
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Violets-liussian, strung, healthy field grown plants. $\$ 1$ per 100 , \$y per 1,000 . ook \& Cook, Alvin, Tex.
Wistaria-Wistaria, large assortment for Easter plants.
H. C. Steinhoff, W. Hoboken, N. J.

Zamia-Zamia integrifolia, $\$ 12$ per

## NURSERY STOCK.

Ampelopsis-Ampelopsis Veitchi.
W. \&T. Smith Co., Geneva, N. Y.

Boz Trees-New importation. Tree shaped, $21 / 2 \mathrm{ft}$. \$t each; bush shaped, 18 tach; pyramidal, $3-\mathrm{ft}^{2}, \$ \$ 2.50,31,2-\mathrm{ft} . \$ 3$, t-ft. \$t each. Vaughan's seed Store,

Blackberry-six varieties, first-class root, cut. plants, 1 c . Five through trunk
R. F. lines from Spring ield, Ill. Free R. K. lines from srringheld, 111. Free boxing for cash beture shipment and at
cust if payment by May 15 . Certilicate from entomologist on euch shipment; Ship quick. Spaulding N. © O. Co. (nr.
Currants-Seven arieties, first-class $2-y r$. plants, 3 c . Wive through trunk
lines from Spring ficlu. 111 . Free boxing for cash before shipment, and at cost if payment by May 15. Certificate trom entomologist on exch shipment; shipquick. Spaulding N. N:
Landscape - "Eeautiful Grounds," an 11hustrated manual containing suggestions on lawn makins, planting and care of shrubs and trees. Landscape plans, Peterson Nursery, 503 . e., Chicago.

Lilacs-Forcing H1acs, German pot grown; also the field grown Paris de \& Sons, 31 Birclay St. N. : Aug. Rolker Lilacs-Lilacs a specialty
Jacs. Smits, Ltd., Naarden, Holland. Magnolia-Magnolia grandiflora, per
 plants. Jne Browne, Nashy, pot-grow
Nursery Stock-Elm and maple trees for planting. Thos. Collins, Hinsdale,

Nursery Stock-specinen nursery stock. Cottage Gardens Co., Inc., Queens,

Nursery Stock-Ornamental trees, biay state Muss.
Nursery stock-トhiladelphia Hambler, field plants, 2 to 3 tt, , $\$ 2$ per duz., $\$ 15$ yer luo; 3 to 4 tt., $\$ 3$ per doz, $\$ 20$ per
Luo. 10. Conard a Jones Co..

Nursery Stock-1rees, shrubs, vines, small truits.
ine IVm. Moon Co., Morrisville, Pa.

Nursery stock-Wholesale growers uf Mrsery stock Catalogue tree
V. Van lileet de buns, Boskoop, Holland. Nursery Stock - Headquarters Ior lardy perennaas; 12 acres combers; 3 dres rhudodendrons, $\quad$, acres (hy stas. Tottenham Nurseries (Ltu.),
Oaks-Pin oaks, 6 to $7 \mathrm{ft}, \$ 6.75$ per 10, $\$ 32$ per $100 ; 7$ to $8 \mathrm{ft} \$$.8 per 10 , $\$ 40$ uer 100; s to y it., $\$ 10$ per 10 , $\$ 44$ per $00 ; 9$ to 10 ft. $\$ 1 \pm$ per 10 , $\$ 4 \mathrm{~s}$ yer 100 ; 0 to 12 it., $\$ 1$ s per 10 , $\$ 60$ per 140. Noi less than 10 trees at 10 rate, 25 trees at 100 rate. Andorra Nrs., Chestnut Hill, Hhiladelphia.

上erennaas-Hardy peremmans, dormant, ${ }^{1-y r .-o l d}$ stock: Anemone Jad.

 100; Clnysanthemum Maximuin 'iriumph, $\because 34$-in., $\$ 2.50$ per 100 ; Delphimimm uuetn gloximoldes, $\mathrm{B}_{1}-\mathrm{in}$. $\$ 8$ per 100 ; Helianthus sparsifolia, ed ental poppies, $\ddot{z}^{1 / 1}$-in., $\psi \pm$ per 100 . Nathan Smith di Sun, Aarian, Mich.
Pravet- 700,000 Calitornid privet, culrent prices; all plants have been transplanted and cut wack, except l-yi., masplanted and cut wack, except 1-yı, makwishing 5,000 or over, white for ketter washing 5,000 or over, wite Nurseries, Little Silver, N. J.
Privet-California privet cheap, 100, 100 plants, 3 to $4-1 \mathrm{t}$., $\$ 4$ per $100, \$ 25$ per 1,$000 ; 21 / 2$ to $31 / 2-1 \mathrm{t} ., \$ 2.50$ per $100, \$ 17.50$ per 1,$000 ; 20$ to 30 -in., $\$ 2$ per $100, \$ 13$ per 1,$000 ; 18$ to $24-$ in., 2 years, $\$ 1.50$ per 100 , $\$ 7$ yer 1,000. Boxed f. o. b. here. For car or large lots, write before placing orders.

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Hoses-Limson Rambler, Vorothy Perkins, La France, $\$ 9$ per 100, for no Jackson \& 1 Perkins Co., Newark and ew York.
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C. M. Nluffer, Springfleld, O.

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Yaughan's seed Store, Chjcago and w York.
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 per 100 Crlmson Ranibler, 2-year-old


Ruses-Kambiers, all colors, Napna Harta, F, Karl Druschki, Mme. ra. Lul Bridfe Parle, Cochet, ro Gate, elc, $5-1 n$ I"ts, $\$ 10$ ner
Geneva, $N . Y$.

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| $\begin{array}{r} 3: 10 \frac{1}{} \text { ets. } \\ \text { cts. } \end{array}$ | $\begin{array}{ccc} 1-\mathrm{in} .1 \\ \text { ets. cts. } & \text { cin. } & 3-i n . \\ \text { cts. } \end{array}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Carolina ear. <br> poplar .... S | 10 | 16 | 30 | 40 |
| Soft maple, first-class. | 9 | 12 | 20 | 35 |
| Elm, Ameri'n, tirst-elass 10 | 14 | $\because 0$ | 30 |  |
| Bos Elder...12 | 14 | 18 |  |  |
| Cotalpa spe- <br> ciosa ...... 12 | 14 | $\because 0$ |  |  |
| Five throush | tru | 1 | R. | lines | Five throush trunk R. R. lines from springtuld, 111. lree boxing fur ment by May 15 . Cerificate from entoment by May 15 . Certincite from enioSpaubling N. d O. Co. (near'Springfield), Spauluing, ll.

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| :--- |
| Lilac, purple..........400,5c |
| $000,12 \mathrm{e}$ |
| 400 |
| 8 c | Hlac, purple.......... 400.5 rringe, purple.............400, 45 Fringe, purple Althea, asst*

G. Alhea
iucca
 lealing soris, 3 to 4 ft, , 8 c . Five through trunk $R$. R. lines from Whangheld, shipment, and at cost if payment before shipment, and at cost if bayment gist on each shipment: ship quick.
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Trees-Fruit trees, ornamental trees Vergreens, shade trees.

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iolus Co., Sylvania, 0.
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## American Florist Co.,

 32+ Dearbora Street, CHICAGO.
## Greenhouse Heating

Ed. American Florist:-
I am about to build one bouse, $24 \times 150$ feet, to he nsed for Bride and Bridesmaid roses. The side walls will be four fect and three inches high, two feet of glass, the balance wood, even span roof. I wish to use horizontal steam tubnlar boiler. How many feed and return pipes and what size boiler will I need?
H. H.

A house such as described can be heated with a 20 borse-power boiler, but if other houses are to be added in the near future it will be better to put in one of at least 40 borse-power at first. The number and arrangement of the heating pipes will depend a good deal upon whether beds or benches are used. In the former case the pipes should be on the walls and two 2 -inch flows and ten $1 \frac{1}{4}$-inch returns will be needed. A similar arrangement can be used with benches but on some accounts it will be better to put in one $21 / 2$-inch flow and eleven $11 / 4$-inch returns. With this plan a portion of the returns can be on the side walls and the others under the benches.
L. R. T.

## Greenhouse Heating.

Ed. American Florist:-
I have two houses $20 \times 100$ feet fitted up as follows: One 3 -inch flow pipe rising from the boiler to within three feet of the ridge where I have a pop safety valve ( $\mathbf{1 5}$ pounds pressure), also an air cushion chamber. From that point a 3-inch pipe runs horizontally with a fall of ten inches to the far east end of each house, where each supplies four coils made of three $11 / 2$-inch pipes under the benches. From here the coils run horizontally back to the boiler with a fall of one foot to the length of the house. I enclose diagram illustrating the system of beating. I have a hard time to get the coils nearest the boiler hot. The system is filled each day. Do you think we carry too much water, or would rou advise raising the coils to give more fall, or would it be advisable to put a different valve on, sct at 20 or 25 pounds pressure? Subscriber.

There is nothing in the description and diagram that shows the cause of the troublic. If the coils have an even slope so that they contain no air-pockets the system should circulate evenly. Beyond this a fall in the returns is not desirable, but it will be woll to have them as high as possible. Taising the coils will therefnre be holpful, as will increasing the pressure. Of course it is also possible that the boiler is too small.
L. R. Taft.

## Nashville, Tenn.

That there is an ever increasing and growing demand for tlowers in this city is proven ly the fact that all growers of cut flowers and florists are flourishing and anuwally make additions to their capacity. There are only three up-town floral stores but the sale and suplly is by no mrans confined to what passes over these counters, for those who are aljacent to the city and on "ar lines find a reanly sale for all their protinets at the greenhouses and are aurl the expense of running a sity -tore Many of these growers come into the rity market and on any fine morning partioularly Saturlay, there is an
abundant supply and fine display in the market house. Among those who come into the market in this way are the Mount Olivet cemetery growers, Haury Brothers, Arnold Schnidt, and numerous smaller growers who have pot flow. ers to sell. An enormous quantity of plants are sold by these parties, some of whom handle cut flowers, roses, carnations, violets and bulbous stock which is sold in quantities.
M. D.

## Minneapolis, Minn.

Fveryone is looking forward to Faster, and contemplating whether their stock will be in prime condition for the day. The weather conditions have been such as to worry the grower in the forcing of stock. From the outlook the supply of Harrisii and bloom. ing plants, etc., will be in quantities to meet all demands. The Minneapolis Floral Company has its main range filled with Harrisii and they are looking their best, and John Monson, proprietor, reports the greater part sold. Wm. Donaldson \& Company, E. Nagel \& Company, the East Side Floral Company, Hilliker and H. Barsch, all have a nice lot of blooming stock.
notes.
Henry Buckendorf's greenhouses Were entered by burglars and a number of fine azaleas were taken, but so far no clew has been found to locate the intruders.
G. H. Glennie has opened a store at 14 Washington avenue N., under the name of the Imperial Floral Store. Mr Glennie was formerly. with August Swanson.

The New Iork Florists have had a large display of cut carnations in their show window.

Rice Brothers are receiving some large consignments of Narcissus poeticus.
C. F. R.

## Columbus, 0 .

The Columbus Florists' Club met last Tucsilay with a good attendance. A discussion revealed the fact that bulbous stock will not be as scarce for Easter as had been anticipated.

The club is trying to stir up enthusiasm among school children and has put up nearly 20,000 penny packages of seed which were quickly taken up by the children. While it required a great deal of work on the part of the club's members it was cheerfully done and they feel that they have been more than repaid by the enthusiasm displayed among the school children.

James MeJellar, formerly with the Livingston Seed Company, is now with Grafl Trothers. The latter will enlarge their store and expect to do the largest Castar business in the listory of the concern.

John Williams, formerly with Sherman Stephens is putting up a block of houses in the East Find where he will lie ramly to take care of retail trade in a short time. Ilis many friends wish him best of success.

CARL.

## Oceanic, N. J.

society meeting.
A merting of the Monmouth County Hortieultural Society was held Friday, April 7, at Oceanic, N. J., with Presi-
dent G. II. Hale in the chair. An article by C. W. Schneider, of Little Silver, contained in a local paper, about "What to Plant in your Garden,'' was read and discussed.

The society decided to have a rose, sweet pea and strawberry show on June 16. At the meeting of that date $N$. Bntterbach will read a paper on "Hybrid Teas and Tea Roses for Bedding Purposes.' George H. Hale, exhibited some very fine amaryllis Empress of India and two other hybrids, which received 90 points; also some Euphorbia jaquiniæflora scoring 80 points. Mr. Brunton, gardener for Mr Hess, showed some finely colored. Prosperities, scoring 90 points, and his Enchantress scored 80. Judges of the evening were, W. W. Kennedy, J. A. Kennedy, and Wm. Turner.

The prizes for the essays on "Rose Cnlture under Glass'" were presented to the winners. H. A. Kettel surprised the winner of the first prize, Charles Wengerter, with a beautiful silrer cup; and N. Butterbach presented the winner of the second prize, Joseph G. P. Kennedy, with a silver shaving cup and brush. The prize winners expressed their gratitude for the beautiful prizes.
B.

## Orange, N. J.

The regular monthly meeting of the New Jersey Horticultural Society was held on April 7 at their rooms in Orange. There was the usual floral display and William Read, head gardener to the Colgates, read a paper on "Herbaceous Perennials for the Open Border,' which impressed lis hearers so favorably that it was decided to publish in the yearly transactions of the society and a copy was requested of the autbor and afterwards giveu to the essay committee with power. Two new members were added and M. J. McKernan, secretary of the Elks was made an honorary member in recoguition of services. Notice was made of the retirement of John Farrell from active service, for thirty years gardener for William Barr of Llewellyn Park. Mr. Farrell has been a gardener for fifty years and an honorary member of the society. During this term he has received between seventy and eighty first class certificates, besides mumervus other testimonials. Arthur H. Bodwell succeeds him.
J. B. D.

## Cincinnati.

Julins Baer is now located in his. new quarters and one will have to go a long distance to find a neater store.

Park Superintendent Critchell thinks. there is a good opening about this city for anyborly that wants to grow hardy herbaceous stock.

There is a movement on foot to giro a big flower show in this city next fall. aud J. W. Rodgers and Clarence Ohmer are behind it and are receiving encouragement from some of our foremost growers.
A. 0 .

Manifasset, L. I.-Mes Payue Whitney will have, perhaps, the most elaborate rose gardens of any estate on Long Island. Last year 10,000 roses were imported from Europe for this place alone. The plans were origiuated by Mrs. Whitney personally.


America is "the Praw of the IFessel; there may be mare comfort Amidships, but we are the frat to touch Lonhawry Seas."
Vol. XXIV.
CHICAGO AND NEW YORK, APRIL 22, 1905.
No. 88I

## THE AMMERIGAN FELORIST

## TWENTETH YEAR.

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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.
Officerg-J. C. Vadoran, Chicago, president; J. R. FREEMAN, Washington, D. C., vice-presidert; Wm. J. Stewart, 11 Hamilton Place, Room M, Boston. Mass., secretary; H. B. Beattr, Uil at Washington, D. C., August, 1905.

## THE AMERICAN CARNATION SOCIETY.

 Abnual convention amil exhibition at boston, Albert M. Herr, Ladcaster, fa, secretary.AMERICAN PEONY SOCIETY.
Exhibition at Chicugo tbont iune lo. © If

 exhibition manager.

## Garden Making Time.

When the gold is on the willow and the When Four feet have grown so leary that When the fever's in your system and. Whea the fever's in your system and you're And your ever ready and
"What's the use". Then it's time to hang the kettle and preJnst beside the ash filled hopper on the Then the season's full of trouble in this semi-sontheru clime, For it brings that awful something known as "garden Miakin" time

Fallow ground with clods to crumble, paper Rake and hoe and soil stained garments and At the prospect of exertion even of the mildAt the prospect
Add your bumping over makis yon sort a' dizzy like and blind
Beets and radishes and letture, peas and Poppies, marigolds and larkspurs for the These walks and in between
These the things inseparable from the days
These the tragedies that trouble us in "garden makin" time."
-Baltimare Anierlcan.

## CHRYSANTHEMUMS

Chrysanthemum Society of America. scales for judging.
The following is the scale of points for the judging of the several classes of exhibits adopted by the society at the last annual convention at Boston. The scale for pot plants remains the same as last year, the only alterations being in the classes governing specimeu blooms for commercial and exhibition purposes:

Scale A.-Scale of points for bush plants and standards, slogle specimens or any number up to six, in an exbibition where the class under consideration does not form he chief feature in the exhibition hall.
Equality of size and form of plant.. 40
Excellence of bloom
$\begin{array}{r}35 \\ 25 \\ \hline\end{array}$

Scale B.-Scale of points for bush plants; exhibits of mare than six or for any oumber of specimen plats in an exhibition where the class under considerathon forms the chief feature in the exhibi tion ball.

Excellence of bloom
Equality of size and farm of plants. $\begin{array}{r}40 \\ 35 \\ 25 \\ \hline\end{array}$ $\overline{100}$
SCALE C.- Scale of points for plants
rown to single stem and one bloom. grown to single stem and one bloom. Excellepce of bloobl compact and sturdy growth

$\qquad$
SCALES $D$ and $E$ on ipecimen blooms for commereial and exhibition purposes, respect ively: Commercial

| Commercial | Exhir |
| :---: | :---: |
| Color .. . . . 20 | Calor |
| Stem ...... 15 | Stem |
| Foliage . . . . 15 | Foliage |
| Fullness ... 10 | Fullness |
| Form ...... 1: | Form |
| Suhstanc+ ... 15 | Depth |
| Size ..... 10 | Size |

Fran H. Lemon, Secy

Propagating Chrysanthemums.
The cuttings of the early and mill season chrysanthemums for ieneral com mercial purposes should now he put into the propagating bed. By giving this part of the work attention at onme, one can have thrifty stock for planting into the permanent quarters in June 'The propagating bed should be partially shaded and the cuttings kept from wilt ing by frequent sprayings. Very littl artificial heat is nempsary to root the
cuttings from now on. The principal consillerations are the use of fresh, clean sand and keeping it moist.
When figuring up requirements of this class of stock, the main object to bear in mind is to select such varieties as will keep well, stand considerable handling without damage and develop in good form and color. Although the varieties possessing these characteristics should form the main part of the planting, it does not mean that the entire stock shonld be confined to varieties coming strictly within these terms, especially so when the grower disposes of his product at retail. Anyone so situated shonld broaden out his collection and add some of the large exbibition varieties, with a few kinds of peculiat form and odd color, basing his calculations on the fact that all tastes are not measured by the theoretical outlines or commercial value of a chrysanthemum as laid down by professional florists.
Coming strictly within the commer rial term the following is a good selec. Early: White-Lady Fitzwyram, Polly Rose, Alice Byron, White Coombes, Mrs. H. rita, Mrs. Coombes. Yellow -Omega, Jellow Fitawys. Mombes. Monrovia, J. Salter. Midseason : White-Mrs. Henry Robinson, Timothy Eaton, Mrs. Jerame Jones, Mrs. Nathan Smith. Pink- Viriand Marel, A. J. Balfour, Wri. Iruckham, Leila Filkins, Dr. Enguehard. Chlow- Major Bonllaffoa, Col. D. Appleton, sunturst. Melow Eaton. Other Leod. Brutus. S. T. Mright, Donald Mc-
It is a little early yet to propagate the young plants of the late Howering virimeties, but the stock plants should repcive attention and be encouraged to make strong, healthy shoots for cuttings in about a month's time, and for late work I would select the following as the most profitable
Late varieties: White- W. II. Chadwick, Yanoma. Yellow- Yellow Chadwick, H. W.
Buckbee. Golden Wedding. Pink-Maud Buckbee Golden
Dean, Johs Burton. Tい' and a f'etw varinties not usually grown commercially except for high class trade, try some of the cxtra large exhibitiou varieties such as Mls. Thirkell, F. S. Villis, Mrs. W. Duckham, in yellow: W. A. Etherington, F. A. Cobbol.t, Lily Mountford, in jink; Ben Wells, Eiuily Milehanı, Nellie Porkett, in white: Gen. IIutton, Harrison Dick, Middred Ware, in light bronze; and Henry Barnes, Mrs. 'T. Longley, W. R. Church, in otber colors. These vari-
they need closer attention to keep the growth within bounds than that which is generally bestowed on commercial varieties. They will repay any extra care given them, however, and at places away from the centers where chrysanthemum shows are held they cannot fail to be a great attraction.

The early propagated plants, being grown for exhihition cut flowers, should. be pushed along as they require it. Do not let them become root-bound before potting them on, because they are bound to receive a check from this, and they need every encouragement to be in good shape for planting in the beds next month or early in June.
C. W. Johnson.

## The Lewis and Clark Exposition.

The landscaping of the exposition is in a state of progress that calls for congratulation. Long age the Lakeview terrace was completed and already the gentle Oregon rains of the early spring have caused the grass to grow so long on the pretty slopes that the lawn mower has been brought into use. Flowers and shrubbery are being planted along the terrace and elsewhere on the grounds. The sunken gardens in Celumbia court are ready for the final dressing up, much of the shrubbery already having been set out. Most of the statuary about the grounds has been placed upon the pedestals and gleams gloriously in the Oregon sunshine.
It will require but two or three weeks for the final shaping up of the grounds. This, naturally, must be left to the last. When the heavy wagons and the railroad trains have finished their work of hauling the building material and the exhibits to the various points of the site, the roadways and the plazas will be smoothed off and solidified, the grass plats and flower beds shaped, and when the exposition opens on that rare day in June so eagerly awaited by the public, the grounds will present an aspect of completeness and polish such as can. not help but delight the beholder.

Thousands of electric light bulbs have been strung amongst the trees and shrubbery of Centennial park, the part of the exposition site which God finished many years ago. In this park there are trees that tower nearly 200 feet into the air, and at the very top of one of these perfectly erect giants of the wild woods the branches have been stripped off for a few feet and the American flag floats in the breeze, the tree-top being used as a flagstaff.

## Annuals for Garden Making.

Who has made a garden composed entirely of annuals Each summer we see this class of plants filling such an increasing number of important positions in gardens, parks and cemeteries, that their utility is now well impressed on the average mind. We are anxious, however, to tell of our home garden, where some forty varieties of annuals, including the rapid growing climbers, were entirely depended on, and as the scheme has been so satisfactory a continuation of the practice will be followed. By censulting the accompanying plan it will be seen the boundary of the garden consists of an evergreen hedge a most desirable background for many annuals. Two years age when converting this little home garden into lawn it was necessary that some form of emergency planting be adopted and


The Late Wm. Paul. (Sce page 605.)
yet conform to some general design in the adornment of the place. We knew a number of annuals that would flower for a long period and many that were suitable for cut flowers, and so without any particular effort in selection it was a success from the start.
arranging the oarden.
In Prof. Waugh's book on landscape gardening are suggested many plans for
garden making, and the style of grouping garden plants recemmended therein seemed particularly applicable in this instance. It will be seen that each variety is grouped with the taller varieties forming the background.

## EXPLANATION GH PLAN.

1 Calliopsls.
2 Mirabilis, dwarf.
3 Nicotlana sylvestris.
4 Sunflowers.
5 Ricinus.
6 Salpiglossis.
7 Salvia farinacea.
8 Salvia coccinea.
9 Salvia Horminum.
10 Stocks, Princess Alice
11 Phlox Drummondli.
12 Sweet alyssumi:
13 Salvia farinacea alba.
14 Cleome pungens.
15 Petunias.
16 Periwinkle, Madagascar.
17 Snapdragon.
18 Centaurea Cyanus
19 Salvia azurea grandiflora.
20 Marlgolds, African.
21 Verbenas.
22 Phlox Drummondii.
23 Salvia patens and S. azurea.
24 Mignonette.
25 Marigolds, African and French.
26 Zinnlas.
28 Calendulas
28 Helianthus cucumerifolius.
30 Selianlossis.
31 Centaurea imperialis.
32 Centaurea
The pergola afforded a good opportunity for training Japanese morning glory, cobæas, dolichos, nasturtiums, etc., as did the play house in the hedge row. A necessary precaution is planting the individual plants a sufficient distance apart. The gardener and florist must depend in this respect on his acquaintance with the habit and growth of the varieties he uses.
It can be imagined what a good showing this garden would make when in full bloom; the plan is simple and the outline and material used could be varied to one's taste. The accompanying illustrations showing a few groups from this garden will prove interesting.

> sowing annuals.

It is more satisfactory to have strong plants at plantiug out time than sowing directly in the garden and thinning out afterwards. The aim should be as far as possible to have strong plants in flats for the purpose. It is customary for gardeners and florists to sow annuals in March, transplant to flats and harden them off for planting time. However, it is entirely practicable to sow in April in cold frames when by encouraging their growth at the earlier stage, good and satisfactory plants can be obtained. Upon transplanting them to the garden a dull or showery day should be chosen. Some of the more tender annuals should



VIEW IN THE ANNUAL GARDEN.
(Tlu" pergolit just planted, the other plants growing rapidly.)
be sown in the greenhouse, but for the most part the plants berein mentioned can be grown as above.

The subsequent care of the garden consists of hoeing around the plants occasionally, and as the beds fill up, a general cleaning up of all weeds and past flowers every two weeks will be all that is needed. During the fall months such a garden is particularly effective.
anNuals in other situations.
As supplementing the herbaceous and shrubbery borders in gardens and parks, annuals are effectively used and many of the prominent beds in such places are composed of annuals. From a florist's standpoint such varieties as verbenas, asters, salvias, cosmos, etc., are in many instances grown in large quantities and the local florist finds it necessary to still further extend the list.

As instances of the individual value of some annuals, our notes record the use to which Nicotiana sylvestris was put in Forest Hills cemetery, Boston, Mass., last summer in a large triangular bed near the entrance, its bold foliage surmounted by immense spikes of pendulous white flowers proving very effective.

Cleome pungens is frequently seen in shrubbery plantations arounll railroad stations, resowing itself each year and looking particularly striking on dull days and in the evening. The flowers are not at their best on bright sunny days.

Salvia farinacea is a gool annual for any situation, its abundant spikes of
lavender colored flowers, combined with bright clean foliage, being highly attractive.

It would seem no well-regulated garden would be complete without the salpiglossis, individual beds of which are always good.

One might greatly extend the list of annuals, each of which would seem indispensable.

Francis Canning.

## The Late Frank H. Beard.

memorial adpress and resolutions.
[Address delivered by J. F. Sullivan at the Fort street Congregational Church, Detroit, Mich., April 9, 1905.]

It was most appropriate that you, his co-church workers and believers, should suspend for a time your ordinary functions and set apart an hour to pay tribute to the memory of one who will be missed in business circles, in the every day walks of life, and last, though not least, in the homes and hearts of kindred and friends, where his name will be forever a cherished memory. But it is not my purpose to speak of Mr. Beard as a private citizen, in which capacity many of you knew him longer and better, and no words of mine can possibly enhance your estimate of his character, or make nore secure the memory of his private virtues.

I shall tell you rather as I knew him in business life. As a florist it has been my privilege to meet and transact busi. ness with him for a period of fifteen years, during which time our relations
were of the most cordial character, ripening into a personal friendship, the memory of which will be as enduring as life itself. It was through this associa. tion that $I$ came to know him intimately and learned to appreciate those qualities of head and heart which sc endeared him to his business colleagues and made him such a prominent factor in the florists' trade of this city.

In early life be was by circumstances given an opportunity to exercise his own tact in business transactions, and his success in marketing the product of the gardens and greenhouses of the Beard establishment would have been a credit to a much older man. His business acumen was thus readily perceived and his father and brothers soon learned to have entire confidence in his management of affairs financial, and entrusted it all to him. He was ever mindful of his own business obligations and prompt in liquidating them, and contrary to the general rule of men of that type, he was not as exacting of others in their obligations to him but most frequently allowed his generous beart to extend lilseral and indeed extraordinary lenteney to his own debtors, often suffering pecuniary loss by his kindly actions.

Any one knowing the busy life of a florist, a vocation which carries with it most incessant vigilance and toil, would be amazel at the interest and familiarity he hal in affairs bearing upon the real interest of the community in which he liverl. His manners were easy, pre. possessing and unaffected, his gen-


CLEOME PUNGENS IN THE ANNUAL GARDEN
erosity, his thoughtfulness, his wide charity for the faults and feelings of others, his abounding hospitality, all made of his life a sweet song, the notes of which are still vibrating.

There was a warmith and directness in what he said and did that won and held the esteem and affection of those with whom he came in contact. As a business man he was honest, industrious, sincere and loyal. If any trait in his business inclinations was more prouounced than another, it was his earnest desire and constant practice through life, to never take an undue advantage of any man. A man recciving and deserving the respect of all classes, be so lived during the time allotted him by Gor, that when, in a moment, he was called to join the majority, he left behind hin nothing but praise, and had before him the certainty of reward.

Mr. Beard was a charter member of the Detroit Florists' Club, and was always a hard and enthusiastic worker in its ranks. He was punctual in attendance of the meetings and always took an active part in its deliberations. By his extreme morlesty alone he was never an officer of the club, but accepted the chairmanship of the most important committces, aul in that capracity his work was most thorough and satisfactory

Lest it be thought that these worls of culogy are inspired by an inordinate admiration horn of personal friendship for Frank Peard, I beg to bring to fert in confirmation of all I have sall, the tribute of the Detroit Florists' r'lul, itself, in the passarge of resolutions "xpressive of its profound somrow at the drath of Mr. Leard.
DETROIT FLORISTS' CLUR RESOLUTIONS Whereas, 'jor in his providenca has ramoved from our membersbip Frauk it pocmiwed That io the the lub has lost one of its most honard the ciub bas lost one of tis most hemored l,o口n cme of its most active and enthusiastio workers. His genial and loving dixposition mul midst, and his wise comasel pas soneht and horded is matpers affecting the olur's interno. His fuddrn and untimely end has be mest profound sorrow in our one mast profound sarrow in our and weriby extud to his family, in their

Resolved, That these resolutions be spread upon the records of the society, and a copy of the same he engrossed, and sent to the
I wish to say in conclusion that Frank H. Beard was always under any and all circumstances the generous hearted christian gentleman. I could not say more of anyone.

## Illinois Florists' Bill Killed.

The hostility of country members, who represent farming interests and are loath to see commercial florists extended such aid as the agriculturists receive from the state experiment station, has killed the florists' appropriation bill in the legislature just when it seemed assured of passage in the house. The treatment of this bill by the house appropriations committee has had few precedents in legislative annals. Oue day, after P. J. Foley, James Hartshorne and L. Coatsworth made convincing arguments in favor of the bill, it was voted out by the committee with the recommendation that it pass, the amount appropriated being ent down to $\$ 15,000$ from the $\$ 30,000$ namerl wig
inally. The next day, when the Chicago florists had gone home, Representative Isaac Craig of Mattoon, moved to reconsiler the vote by which the bill was reported out.

The motion carried and Mr. Craig then asked that the bill be reported out with the recommendation that it do not pass, a move which wonld kill it beyond recall. Cicero J. Lindly and Edward SmejkI fought to prevent this, Mr. Lindly offering amendments which cut the amount appropriated first down to $\$ 10,000$ and then down to $\$ 5,000$. But it was the evident intention of a majority of the committee to kill the bill absolutely. Mr. Lindly's amendments were voted down and the motion to kill the bill carried. Such great hostility was shown toward the measure in this final vote that it is considered impossible to resurrect it.

Chairman Trautmann of the appropri. ation committee explained the committee's action as being due to the protests of country members against an appropriation which would be of aid to a class of "farmers," as Mr. Foley said florists were, that operated only in cities. The influence of the farmers is stronger than any other influence which guides legislation at Springfield, and if the florists would combat it they must have the members who come from cities united in backing their demand for recognition. When it came to a fight there were very few members will. ing to take up the issue for the florists. The youth of the Illinois State Florists' Association, an organization of which the legislators had never heard before they read of it in the florists' bill, had much to do with the measure's failure. If this association makes its strength felt between now and the next assembly a request for Iegis. lation made by it will receive more consideration.

## Hardy Herbaceous Perennials.

Hardy herbaceous perennials are in themselves a class so numerous, and embrace so many species and varieties of such beauty, that it is little wonder of late years that a greatly increased interest is shown in them. These plants were quite popular long ago, but somehow it scement that for a perion they


NICOTIANA SYLVESTRIS IN THE ANNUAL GARDEN

Were almost forgotten. There are sev eral reasons why this temporary neglect has given place to renewed interest, but the principal one perhaps is a lack of devotion to the formal or stiff style
of the soil before they are planted much more thoroughness and care is necessary because of their intended perma nency than would be required for plants that would oceupy the ground for at


AT H. H. BATTLES' NEWTOWN SQUARE, PA.
(A field of irises.)
of planting that held sway for a good many years. This does not necessarily mean that the species of plants used in this style suffered in consequence, but it does mean that the more natural style of planting and landscape gardening require the use of plants found only among the hardy perennials.

Another though perhaps a less potent reason for the increased demand for bardy plants is that thousands of people who have neither the means nor the scope to indulge in any style of gardening but love plants and flowers, are gradually coming to the conclusion that there is much enjoyment to be obtainerl by planting hardy perenuials, and watching and caring for them from the time they break the ground in the spring untrl they go to rest in winter.

These plants are so varied as to afford a great variety of bloom through spring, summer and fall. Thus in spring we have the trollius, trilliums, creeping phloxes, anemones, lupincs, spircas, peonies, and many others. Later the number is greater still, anons them being eampanulas, poppies, delphiniums, irises, aquilegias, dianthuses, rudbeckias, forgloves, heliopsis, lilies, helianthus, asters, boltonia, heleniums, funkias, veronicas, chrysanthemums, Anemone Japonica, gollenrods, ete.

Just as varied as these plants are in their season of flowering are their powers of adaptability to almost any situation, sunny or shady. While it is true as has been already said that the masses are beginning to realize the bcauties and osefulness of hardy perennials, it is to the wealthy they bring the greater attractions by reason of the fact that they are enabled to procure them in greater quantity and varicty, thereby having relatively a more contiuuous and interesting display.

Although when once planted herbaceous nerennials do not require a great deal of attention, yet in the preparation
most only six months. For this reason, the soil ought to be deeply dug and lib erally manured for most species, besides making sure that the ground is thor onghly trained.

After these preparations have been attended to and the planting done many of the taller growing speeies will need support in the shape of stakes, because in the case of delphiniums and many others of tall growth, the plants are not able to stand up unaicled, and staking ean be done without being in the least objectionable

The most elaborate form of plantation
is the herbaceous border, in the planting of which great care is exercised in selecting species and varieties which for their habits of growth and season of blooming give assurance of uniform appearance (when this is desired) and permanent effect. There are many garclens where this form is carried out extensively.

At least one more purpose for the planting in greater quantities of herbaceous plants and one that appeals fully as strongly to those interested as any mentioned heretofore, namely, for cut flowers exclusively by florists who see in them something that can be made profitable and more lastingly so than any other elass of plants grown in the open ground.

I said the last purpose mentioned might suffice, but I an tempterl to state still another reason why at least the distribution and planting of hardy perennials should be encouraged, and that is the desirability of increasing the knowledge and love of plants in the roung people of our day, and such knowledge cannot ve inereased more rapidly than by planting hardy perennials wherever prossible and having every plant namer not only by its botanical name but when possible its common name also.
Planting for this purnose should esperially le done by municipalities in the public parks and on the borders of public playgrounds. A little money spent for this object mould yield a hundredfold, not perhaps in dollars and cents, hat in what is immeasurably greater in value, a love for nature.

David Melntosh.
Nassau County Horticultural Society.
The regular monthly meeting of this suciety was held at the Glen Cove Greenhouses, Glen Cove, N. Y., April 5. The attendance was not particularly arge, owing probably to the rainy weather and the rush attending spring work. Exhihits were numerous, nearly "rove member contributing something.


DELPHINIUM BELLADONNA AT DREER'S NURSERIES, PHILADELPHIA, PA



PAN OF CROCUSES.
(As grown for Easter by Ceo. Asmus at the Sehiller establishment, Chicago.)

The relating of experiences in the production of the various exhibits brought out many interesting and valuable cultural hints, which should bear fruit eventually.

A charming vase of that grand red carnation, Robert Craig, from the Cottage Gardens, Queens, L. I., graced the exhibition table. Special mention was made of a new seedling white carnation raised by Felix Mense, of Glen Cove Greenhouses. Mr. Mense has named it Dosoris, and judging from his stock, it evidently shows itself to be a profuse bloomer and of robust constitution. The flowers are full, well built and apparently non-bursting. Another new seedling carnation, dark pink, was exhibited by Mr. Myers, superintendent to G. R. Sheldon. The flowers were large, full, with fringed petals. A plant of Cineraria stellata grown by A. McKenzie, superintendent to Percy Chubb, attracted great attention. The plant measured four feet in diameter and carried an enormous wealth of flowers. The same gentleman also exhibited an inter. esting dish of Gradus peas which had been grown under glass. The seed was sown about December 20 and pods were ready for picking the first week in March. It may be mentioned that these peas proved very appetizing to the members present. A standard gardenia showing marks of high culture was exhibited by T. Harrison, superintendent to E. R. Ladew. It was decided until further notice to hold the mectings in the evening.

John F. Johnston.
Baltimore, Md.-A new conservatory is soon to be built in Patterson park, $25 \times 150$ feet in size. The building will be erected by Lord \& Burnham Company and will be the finest south of New York when completed.

Toronto, Ont.-A deputation representing the Horticultural Society, the Gardeners' and Florists' Association and the Electoral District Society have asked that the $\$ 1,500$ grant to the Provincial Fruit, Flower and Honey Show be expended in Toronto. It is probable that their request will be granted.

## MARKET GARDENS.

Fulton, 1ll.-Norrison men are building an $\$ 8,000$ greenhouse establish. ment here for the culture of vegetables.

California Celery growers are caring most if their celery looks and ships in good order, making quality a secondary matter.

## Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points April 15 were as follows: New York, cucumbers, No. 1, 75 cents to $\$ 1$ per dozen; culls, $\$ 2$ to $\$ 3$ per case; lettuce, 25 cents to 75 cents per dozen; mushrooms, 25 cents to 60 cents per pound; radishes, $\$ 2$ to $\$ 3.50$ per 100 ; tomatoes, 10 cents to 30 cents per pound; rhubarb, $\$ 2$ to $\$ 4$ per 100 bunches. Buffalo, cucumbers, $\$ 1$ to
$\$ 1.50$ per dozen. Cleveland, mushrooms 45 cents to 50 cents per pound. Minneapolis, cucumbers, $\$ 1.75$ per dozen. Detroit, cucumbers, $\$ 1.50$ to $\$ 1.75$ per dozen; lettuce, 12 cents to 13 cents per pound. Cincinnati, cucumbers, $\$ 1.25$ to $\$ 1.50$ per dozen. Kansas City, mushrooms, 45 cents per pound.

## Trouble with Snails.

Ed. Amehican Florist:-
In your issue of April 1, "J. P. H."" asks how to rid his houses of snails. We have noted the various remedies given in the same issue, but wish to state that we have used pulverized lime for the past six or seven years and find that it will kill all snails at once. Keep pet toads or frogs away from it, however, as it is certain to make them quit the place. Scatter the lime under the benches, and if "'J. P. H.'" grows cut flowers, such as roses and carnations, the lime can be put right on the beds and will be of great benefit to the stock. Do not be afraid to put on the lime, especially on carnation beds. We sprinkle it broadcast over plants and spray the plants next day, when it will all wash off. Flowers and buds, however, should not be touched with the lime, as it will take out the color. Do not apply it so thick as to form a crust on the soil, the entire surface of which should be freely stirred a few days after the application. We have found that the foregoing treatment will effectually rid a place of snails in one or two thorough applications.

Wonsetler Greenhouses.

## Big Michigan Fern Cut.

The illustration herewith shows J. B. Deamud's fern packer together with a stock of 100,000 Michigan cut ferns which have been bunched and are ready to pack in the boxes. This man packed a little over $5,000,000$ last summer for the same dealer and is making preparations to greatly increase this figure during the present season. The demand for these ferns has grown very rapidly and immense quantities are disposed of through the Chicago market alone. See page 604 .


AN ATTRACTIVE EASTER WINDOW.


DESIGN WORK FOR THE FUNERAL OF THE LATE MRS. STANFORD.
(Hy the Frink Pelican Company, San Francisco, Cal. See San Francisco notes, page 620.)

## THE RETAIL TRADE

## Give Them the Flowers Now.

Closed eyes can't see the white roses, Cold hands can't hold them, you know. Breath that is stilled cannot gather The odors that sweet from them hlow. Death with a peace heyond dreaming Its children of earth does endow. Life is the time we can help them,
So give them the flowers now!
-North American.

## Attractive Easter Window Decorations.

The accompanying illustration of window decoration in the store of Otto Bauer, of Washington, D. C., is unique and the original attracted much attention. The conceit is a mammoth Easter egg on wheels, drawn by a team of ducklings with a rabbit as teamster. The shell is covered with sheet moss and jonquils are seen in the opening at the side. Chicks are perched on the shell.
S. E.

## A California View.

As a matter of truth, the California hostess who uses flowers for ornamentation has been spoiled with too much material at hand and loses all sense of beauty and propriety in decoration, as a rule. They are also hampered with the imported conventional ideas, brought from the east, where conditions are vastly different, and which have stifled any possible originality, so that each table decoration is a dull repetition of what one saw at the last place, until everything about it is stereotyped except the flower itself; and this can be guessed nine times out of ten, as only certain flowers are used by the unimaginative hostess at certain seasons. There is undying fame awaiting that
wizard who shall evolve something artistic anil new in the way of flower decorating for functions, but until she appears one of the best rules to follow is "'don't."' That is, do not overdo it. The most effective and greatly admired "flower schemes" are the simplest. The conglomeration of great varieties of blossoms which the California hostess is led to use because she has plenty of flowers and small artistic perception brings about results which are ealled "decorative" only by courtesy.-Pasa. dena Star.

## At Chicago Retail Stores.

A visit to a few of the Chicago stores this week shows a measure of activity that is most encouraging. All that is needed now is just the right kind of weather and every retailer will be in the happiest mood at Easter Sunday's belated dinner.

The Ernst Wienhoeber Floral Com pany, 413-427 Elm street, report a good Easter trade thus far, the quantity of stock comparing favorably to last year, but more expensive. With the advance trade already exceeding expectations, the three remaining days previous to Easter will doubtless result in a large volume of business. The decoration of the display window is a handsome affair, the farored plants being gardenia, forsy thia, prunus, lilac and standard roses. The arrangement is very unique, as Easter baskets of various designs are displayed with seasonable stock, and all in all the effect is very showy.

At Samuelson's Michigan avenue store all the stock had not yet been received at the time of writing, but judging from the stock already in, this store will have some splendid material
ready for Easter. Fancy baskets will be a prominent feature of this trade made up chiefly of azaleas, hydrangeas and Rambler roses. Lilies, of course will be the leaders, and pyramid azaleas will also be popular. A rather new departure is a large stock of gardenias. The windows have already taken on gala dress and with continued fine weather business is certain to be brisk. A number of large church decorations will also be in order.

At Smyth's, Thirty-first street and Michigan avenue, they are making a specialty of fancy baskets for Easter. These are made up mainly of azaleas, hydrangeas, small obconicas, Baby Ram. bler and asparagus tied with ribbons of suitable colors. Chiffon is used to a large extent on these baskets. The azalea, rhododendron and Baby Fambler baskets are made up with Porto Rico mats ticd with chifion. The windows are especially attractive, the various kinds of Easter stock artistically arranged. The usual rush of this season is very apparent. Lilies, with the usual run of seasonable cut stock, complete the holiday assortment.

Iuside the A. Lange establishment, 51 Mouroe street, may be seen an advance display of Easter baskets filled with a variety of plants. The window display consists largely of lilies, occasionally finding here and there a select stock of Rambler and American Beauty roses. Choice azaleas form a feature and Baby Ramlilers attract much attention.
J. Mangel's place of business, Wabash avenue and Monroe street appeals to the passers-hy as a scene of beauty and a typical Easter display. One attractive feature is a cross, probably 3 x 5 feet, made entirely of white and scar. let carnations, with just enough aspara.
gus to make it effective. In another window, equally attractive, is displayed Rambler and American Beanty roses and azaleas, with white and red ribbons used with good taste. A tiny Japanese maple is proving an attraction.
P. J. Hanswirth, Auditorium Annex, Will have all varieties of Easter stock in good supply and so evenly balanced that no single variety can be called a specialty. Lilies will be numerous, both cut and pot plants. Roses and carnations are also in quantity. Some fine arbutus is in stock and hydrangeas, aza. leas, Ramblers, etc., join in to complete the supply of Easter plants

Friedman, at Michigan avenue and Van Buren street, although handling all varjeties of holiday stock, will make a specialty of lilies and azaleas, which no doubt, will be the most popolar with all retailers during this festive season. He will handle all otber general lines of stock and indications of the coming rush are already in evidence.
H. C. Rome, 35 Monroe street, has as a feature in his display window, a lot of chicks perched on Easter eggs, which with roses, azaleas and lilies make a tasteful and seasonable display.

## New York.

## THE MAREET.

The market is in a waiting mood. Opinions are freely expressed in regard to the probabilities for Easter trade. but so far as the trend of the market is concerned, there is no cue for either optimist or pessimist. The business of to-day is heavier than for some little time, but improvement must commence somerwere, and could hardly be further delayed. The extraordinary cold weather experienced since Sunday has shortened shipments and prices have stiffened somewhat. Carnations have moved up several points, and while plentiful move fairly well at quoted prices. Good Lawson are bringing 4 cents while less than a week ago they dragged at little better than ${ }^{2}$ Roses are stronger, and special grades command better prices. Tulips are loing better, good stock bringing as high as 50 cents per bunch, and ordi nary grades selling at four bunches for the dollar. IIyacinths and daflodils are bringing as high as a dollar for four bunches, special stock a trifle more. Southern lilacs are arriving in quantity, but move slowly. Violets are not plentiful and command good prices: when the quality is all right.

The market, April 19.-Stock is short foday, the market cleaning up well. Waster stock at Tuesday's auction sales hrought good prices.

## NOTES.

George Golsner of College Point, and Whi. Amos of Woodside, are sending in some fine moss roses to the New York Cut Flower Exchange.

At the May meeting of the New Yorls Porists' 'lub, the cxhibition will com prise vedfing plants very largely. Some fine exhilits are already assured.

Ralph M. Ward \& Company, importers and dealers in bulbs, ete., will remove :Hout May 1 from their present quar. - ers, 17 Pattery Place, to 12 West broalway

The annual orchid sale of Sander \& Buss will he held at Cleary's Horticul. tur:th hall on Tuesday, April 25.

Forl Brothers are receiving large shipments of blooming violet plants,
which as usual will be a specialty with them this Easter.

Walter F. Sheridan will have a grand stock of roses for the boliday trade, including some specimen grades of American Beauty.

Plantsmen have at midweek commenced making deliveries of stock, and their wagons are to be seen everywhere. The present cool weather favors early deliveries.
"Rubber"' Holt has opened a store at 284 Broadway, Brooklyn, where he proposes to conduct a retail florists' business, reserving ample accommodation for his trade in rubber goods in connection with which he has beev known among growers for many years. His numerous friends in their well wishings say his enterprise is none too great for one of his elastic caliber.

Incoming steamers from Bermuda, ac. cording to manifests, have brought large quantities of Easter lilies. The Bermudian, expected Wednesday is said to have a record shipment.

Young \& Nogent are making daily displays in their store window. Orchid plants in full bloom are a notable attraction this week.

John P. Cleary is again wielding the hammer at Cleary's auction rooms.

## Chicago.

WEATHER AFFECTS MAREET.
The cold weather for the past week has had a tendency to shorten the cut of carnations very much, As early as April 16 it was noticed that the supply would be short. It is believed that before Easter the prices will go soaring. There seems to be an abundance of Easter lilies and the retailer will have no trouble in getting all he may want at prices that will not be extravagant. The market offers some very good fancy ferns which are quoted at $\$ 3$ per 100. Roses are coming in very good, but owing to the shortage of carnations will command good prices. The feature of the week's trade has been the heavy demand for Easter novelties.

WHOLESALERS AND GROWERS.
Pochlmann Brothers have had an immense call for carnations, and at good prices. They take a hopeful view ot the Easter trade. At their greenhouses,

Morton Grove, some rebuilding and remodeling will be the order of business in the near future.

Bassett \& Washburn reported Easter prices prevailing even as early as Monday, and if the weather of the past week continues there will be nothing but lilies for sale. Carnations are so scarce that an order of 1,000 from Pittsburg, Monday, regardless of price, was declined.
Peter Reinberg advises that there has been a great demand for American Beauty roses and carnations, and that there will be a full crop for Easter. Chatenay is coming in rapidly, the crop being large and all of a fine quality.
J. A. Budlong says the out of town shipments are quite satisfactory. The weather has been just cool enough to make stock appear, when shipped an musually long distance, even as fresh as when coming from the greenhouse.

Stollery Brothers have made a specialty of an Easter egg, which has sold rapidly at an unusually good price.

Vanghan \& Sperry have a fine lot of Rambler, Beauty, and sweet peas and sales are reported satisfactory.

Charles W. McKellar has no complaint to offer regarding the volume of business during the Easter season. There has been an increased demand in narcissus, jonquils and other seasonable stock.

Referring to wireless telegrams, J. B. Deamud's correspondent advises him that he would recommend the aerogram as accurate and prompt and from twenty to forty per cent cheaper.

The E. F. Winterson Company says that the shortening of stock, especially carnations, will have a tendency to strengthen the lower grades.

Benthey-Coatsworth Company report a decided improvement in trade and predict that prices will be equally as good as last Easter.

Johnson \& Carlson report violets and bulbous stock scarce and are of the opinion that prices will go higher than quotations.

Weiland \& Risch report heavy shipments. They make a specialty of shipping to the country retailer.
J. B. Deanud is handling an elegant line of General MacArthur roses, which are selling fast.

C. N. Thomas, of the A. L. Randall Company says weather conditions have affected stock. Roses, however, have been plentiful despite that fact. Carnations are not listed as high as a year ago. A tremendous business was done by this concern last Easter and no doubt this season will show a repetition.

Vaughan \& Sperry have taken over the business formerly conducted by the Grand Rapids Florists' Association at 60 Wabash avenue. The space will be devoted exclusively to the city trade, which joins the space occupied by the purchasers.
E. C. Amling takes an optimistic view of the situation and is looking forward to the closing of the Easter seasom as one of the largest, in many respects, for several years. The stock is larger, and the quality what the people want.

Wietor Brothers report a promising Easter trade, and even as early as last Thursday disposed of 3,000 roses and equally as many carnations. They predict that by the closing of Easter week the latter will be scarce.
Sinner Brothers' Easter trade will come up to former seasons. While roses are plentiful carnations are scarce, and the latter, they believe, will not go below 4 cents.

The Flower Growers Company reports prices fair, with sufficient stock to go around. Good prices will prevail even at the close of the Easter week.

## NOTES.

Mrs. Nary J. Thompson, wife of Maj. John N. Thompson and mother of John D. Thompson, of the Thompson Carnation Company, Joliet, died April 16. She was a sister of Mrs. H. N. Higinbotham and was well known in Chicago and throughout the state.

Harry Papworth, of New Orleans, called upon the trade of the city last week. His business in that city has recently been incorporated. Some additional improvements are under headway and as soon as practicable six new houses will be erected.

George W. Wienhoeber returned Sat urday from a three months' sojourn in Europe and since his return has been making himself conspicuous in assisting with the affairs of his firus.

Vaughan's greenhouses and nurseries at Western Springs are having a great run on Easter stock, nursery material and herbaceous perennials.

The S. F. Lconard Seed Company's business is booming these days, alt hands busy early and late.

The Gcorge Wittbold Company is making a run on Dracæna indivisa, fine: seasonable stock.
T. W. Hinchliffe, of Racine, Wis., was in the city Monday and purchased his Easter stock.

Elmira, N. Y.-The Uniter States Cut Flower Company is preparing to make improvements on its property and planning for a busy summer season.

## OBITUARY.

## Alexander Graham.

Alexander Graham, a well known gardener of Brantford, Ontario, died at his home on St. Paul avenue April 5. He had been a resident of Brantford for the past twenty years, and is survived by a wife and six children.

## Jonathan B. Morey.

Jonathan Barnhart Morey, an old resident of Danville, Ill., died of consumption at his home on lower Main street, April 10. For many years he was a member of the nursery firm of Sweet \& Mores. In 1885 they dissolved partner. ship, Mr. Swect continuing the business, and Mr. Morey formed a co-partnership with his son, the new firm being known as Morcy \& Son. He was 68 years of age.

## Edward H. Howland.

Edward H. Ilowland, of Holyoke. Mass., died at his home, 166 Oak street, April 11. He died of pneumonia after an illness of one week. He was born in Ceylon, June 6, 1851, and came to


The Late Nicholas Freyling.
(The lady in the picture in Mrs. Freyling.)
this country in childhood. IIe was a graduate of Williston seminary at Easthampton, Mass, and was a nember of the elass of '74 at Amherst. He moved to JIolyoke in 1884 and in 1887 erected his greenhouses at the corner of Oak ant Appleton strects. He is survived by his wife and one son.

## Nicholas Freyling.

Nicholas Freyling, of the Wealthy Avenue Floral Company; Grand Rapids, Mich., died at his home April 12 of cancer of the stomach after an illness of ten years. He did not take to his bed, however, until about four weeks ago. He leaves a wife, two sons and one daughter. Mr. Freyling was born in Holland in 1853, and came to this coun. try in 187s, locating in Grand Rapids. He was one of the pioneers in the business and entered into partnership with Mr. Mendels iu 1881, buying the Sharp establishment on Wealthy avenue, which then consisted of 5,000 feet of glass.

Prosperous business began at once and kept growing until the present time, the firm now having 40,000 feet of glass. Mr. Freyling in addition owns a large number of dwelling houses near the greenhouse establishment. The greenhouscs and everything pertaining to them were bought about two weeks ago by Mr. Freyling's eldest son, Edward, who will-continue the business, the remainder of the estate going to his wife. Mr. Freyling was one of the first members of the Grand Rapids Florists' Club, and the members turned out in a body to attend the funeral, this being the first death in the membership since the organization, in 1893. Mr. Freyling was of a most cheerful disposition and always had a smile and a good word for everyone.
N. B. S.

## William Paul.

We are advised of the death of William Paul, the well known English rosarian, March 31, at the age of eightythree years. Mr. Paul's health had been precarions for some time past and he succumbed to a paralytic stroke which he had some few days before his death. Rose growers everywhere will feel the loss keenly, especially that it comes so soon after the death of the late Dean Hole, which accurred August 24 of last year.

A brief sketch of Mr. Paul's career was given in our issue of March 29, 1902, as follows: "The story of the life work of William Paul is written in the rose gardens of the world. It is a worthy record of a life well spent, for this venerable rosarian has labored long and well for the improvement of the rose, of which there is at his place, Waltham Cross, Hertfordshire, England, one of the grandest collections in the world. Mr. Paul has spent half a century in his rose garden, coming into the business in youth, succeeding his father, but in these later years turning over the details of the great nursery to his son, Arthur, who is himself skilled in the craft. Some of Mr. Paul's introductions are Medea, Corinna, Enchantress, Waltham Climber, Duke of Edinburgh, Beauty of Waltham, Pride of Waltham, Star of Waltham, Princess Adelaide, Duchess of Albany, Lord Bacon, R. D. Baxter, Brightness of Cheshunt, Brilliant, Cheshunt Scarlet, Princess Christian, Crimson Globe, Paul's Siugle Crimson and many more. Given to literary pursuits and possessing one of the finest libraries of botanical works in all England it is but natural that ho shonld write of his roses, and his book, 'The Rose Garden,' published in 1848, has reached its ninth edition. Much might be said of his various essays, read before horticultural and scientific societies, and of his many contributions to the press, but most of these, the important ones, are embodied in 'Contribntions to Horticultural Literature, 1843-189․' Mr. Paul tras a Fellow of the Linnæan Society and one of the oldest Fellows of the Royal Horticultural Society. For many years he has been one of the principal exhibitors of roses at the British shows and his name has also been closely connected with the production and introduction of zonal pelargoniums, hollyhocks, phloxes, camellias and other flowers."

## THE AMERICAN (FLORIST

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## this issue 52 pages with covers.

## CONTENTS



Keer the plant prices steady.
There is a strike affecting a section of the glass trade which may result in advanced prices at an early date.

1t is bad policy at all times to sell poor stock and especially bad to sell it under the pretense that it is the best.
Ir is a mistake to alvance the prices on stock to regular customers just because one happens to be rumning low on it.

Again we have to report much havoc wrought hy hail. The man to consult about hail insurance is John G. Esler, Salltle River, N. J.

If one has goot material it is not necess:ary to follow the other fellow in cutting prices on it. It is better to get a gool salesman and sell it at right prices.
F. R. Thornton, of the W. C. llill Floral Company, Streator, 111, states that it is the wish of his firm to put flower beds of their finest stock in the city park as a contribution toward beautifying the place. This is a spirit that is well worthy of emulation in all our small towns and eities.

## Hail Notes.

Pittsburg, Pa.-The hail storm that occurred April 10 was the most destructive since 1893. During the six minutes that it lasted plants and glass to the value of many thousands of dollars were demolished. Much damage is reported from Sewickley Valley, where private conservatories suffered to a considerable extent. The following were among those visited by the storm, the losses ranging from $\$ 100$ to $\$ 1,500$ : Geddes $\mathbb{N}$ Blind Brothers, Mrs. E. A. Williams, William Turner, Williamsburg, John Bader, A. R. Peacock, H. C. Frick, A. W. Smith, Randolph \& McClements, J. B. Murdock \& Company, and Phipps conservatories at Schenley and Allegheny purks.

Bowling Green, Ky.-Five greenhouse establishments of this city were the greatest sufferers from the storm and hail April 11. Nearly all the glass at the five places was broken.

New Castle, Ind.-Several thousand dollars danage was done bere by a severe hail storm on the night of April 10. Gardens were riddled and considerable greenhouse glass was broken.

## Baltimore.

EASTER PROspects.
Trade in eut flowers last week was brisk at the beginning and at the end, sagging somewhat in the middle. On Saturday everything in sight was pretty well cleancu out of the market. Doubtless somewhat of the deficieucy felt on Saturday was due to the disposition to hold back stock for the rather higher priees which may be expected to prevail in a day or two.

We have had a week of trying weather, and to-day it would seem that either the calendar man or the weather man had made a mistake, for there never was a more typical blustering, cold, raw and miserable St. Patrick's day than is this seventeentb day ot April. Last night there was a freeze all around and for three days there have been driving winds, varied by squalls of snow.

The condition of Easter stock remains about the same, the low temperatures of the past several days having prevented the general blooming out of indoor mate rial which was reasonably expected Harrisii lilies will not be over abundant and there will be a lack of azaleas Hydrangeas, astilbes, bougainvilleas, genistas, etc., will be in ample supply. Of each stock there will be no shortage, probably. Some unusually fine lily of the valley is already coming in from Fred C. Lauer, outdoor grown forwarded under temporary sash. Violets will be entirely lacking. The quidnuncs of the daily press say sweet peas are to take their place for the women's personal adornment.

To-day the store windows are being stripped preparatory to their decoration for the great spring Loliday, and by Thurstay the embellishment of the altars of the churches of those communinns which make this a great religious festival will begin. All the signs point to at least as favorable a seasou as the average for all branches of the trade.
S. B.

## Philadelphia.

prices advance.
The week ending April 15 was very quict and the store men had abundance
of time to inspect their Easter stocks at the various growers' establishments. Prices remained about the same as those last quoted. For Easter delivery there will be a considcrable advance, amounting to almost 100 per cent. The special Beauty are quoted $\$ 5$ to $\$ 6$ per dozen, Brunner $\$ 40$ to ${ }^{4} 50$ per 100, teas and Kaiscrin $\$ 8$ to $\$ 12$, Liberty $\$ 15$ to \$30. Garnations, special, \$5 to \$8, next grade $\$ 3$ to $\$ 4$. Lilies $\$ 10$ to $\$ 12$, callas $\$ 10$ to $\$ 12$. Violets, stock very limited, \$1, smilax $\$ 20$ to $\$ 25$.

At $i$ his writing the stores are stocking up, the plants arriving in fine condition. The weather the past two weeks has been very favorable for holding stock and the fear that many of the plants, especially the bulbs, would not keep, has been groundless, as they are in excellent condition. Azaleas are also just right with at least half of the assortment labeled Van der Cruyssen. It looks as if all the stock grown will be sold, as quite a tew of the growers say they are entirely sold out. Lilies are solling for $\$ 10$ to $\$ 12$, either cut or in the pots.

## notes.

The lepartment stores are in it as usual with their widely advertised cut prices; 12 cents per bud and flower for lilies, is high, while some only ask 10 cents. It is bard for the retail stores to compete against such prices, but it has been going on for several years and as all bands generally clean up pretty well, it is likely to be the same this season. The general store rrice is 25 cents.
S. S. Pennock will handle about 12,000 bloens. He is selling plants in pots as well and shipping large quantities out of town. Eddie Fancourt, chief of the ribbon department, says that they cannot keep up with their orders in some colors and qualities of the goods.
Manager Meehan at the Market says they will be strong on Easter and calla lilies. He says that if this cold weather coutinues there will be a grand scramble at the last of the week for roses and carnations, as there will not be near enough for the demand.

The Leo Niessen Company has the handling of the Hugh Graham Company's Brunners. They are a fine lot and should sell readily; 50 cents is the top priee. Mr. Niessen says the advance orders for general Easter stock are very extensive.

George Anderson has at last put in a phone. He is the last to become conviuced of its utility, every other grower of any note having long ago adopted this up-to-date convenience.

Sweet peas are now coming in good form and color. Robert Crawford is getting some extra fine stock from his place at Secane.

The Philadelphia Cut Flower Company say they bave secured a lot of extra finc lilies and expect a great trade tor them.
K.

Grandville, Mich.-The tempera. ture here April 18 was $22^{\circ}$ Fahrenheit.

Sharrsburg, Pa.-John B. Walker and wife celebrated their golden wedding April 12.

Vancouver, B. C.-James Pont has sold his greenhouses to R. Emerson and has bought ten acres of land at Ladner, B. C., where he may again go into business.

## Meetings Next Week．

Baltimore，Md．－Gardeners＇Club of Baltimore，Royal Areanum building， 15 W．Saratoga street，Monday，April 24， at $8 \mathrm{p} . \mathrm{m}$ ．

Chicago，Ill．－Chicago Florists＇Club， Handel hall， 40 Randolph street，Thurs day，April 27，at S P．m．

Cleveland，O．－Clevelamd Florists Club，Progress hall， 244 Detroit street， Monday，April 24，at 7：30 p．m．

Denver，Colo．－Denver Floral Club， 323 Charles block，Friday，April 88，at Sp．m．

Grand Rapids，Mieh．－Grand Rapids Florists＇Club，Board of＇Trade rooms， Pearl street，Monday，April 24

Hartford，Conn－Hartford Florists Club，Friday，April 28，at 8 p．m．

Salt Lake City，Utah．－Salt Lake Flo－ rists＇Society，Friday，April 28.
Tarrytown，N．I．－Tarrytown Horti cultural Society，Thursday，April 27.

## SITUATIONS；WANTS，FOR SALE．

## One Cent Per Word．

## Cash with Adv

Plant Advs．NOT admilled under lhis head．
Every paid subscriber to the Amertan Florist for the year 1905 is entitled to a five－line want $\Delta D V$ ．（situations oniy）free to be used at any ame during the yesr．

Situation Wanted $\rightarrow$ as gardeder；German，war ried，one child：It years＇experience．Al references Bos：08，care Auticicau Florist．

Situation Wanted－Bya young man as halper a rusts or geueral werk： 2 jears experience
Box 213 earn American Florist．

Situation Wanted－On priveste plses by foung Gtrmun，newoomer；good gardener and forist； esu furnish excellent rulerevers．Address Box 216 eat American Florist．

Situation Waated－By single man，age 5 ； es prbie ol taking charge of section or small place． Will a ork for $\$ 00$ to $\$ 55$ fer mondth．

L．Nielsen， 547 N．Chhfornia av．，Chicago．
Situatlon Wanted－By a gardener experienced n thl uranches．vegelable，frnit gnd tower garden－ oobad hauts．

Box 211，cere American Florist．
Sluatioo Wanted－By scber，intelligent，all－ ounu yroner or cut llowera and plants in pots； age 31； 13 years practical experience；oun hanole mod．stale wages and particulars nbed writing． Address J．N゙，care R．E．Rudolph＇s Greenhoures， Paducab， K

Situatioo Wanted－By a German，as manager u larke flinst establishacut； 40 Jeara of age： years fractiesl experipace in all branches of rceahousps and stcra；would be willing to pur－ chase initrest in good establ shed busines
Aluress Box 214，eare Ameriean Fiorist．

Help Wanted－A good oarnation and＇mum cuwer．Permacent position to the right party．

Help Waoted－an all around man，German relerred．state wages wated without hoard． －R Devmier，Equ Claire，Wis．

Help Wnated－Tno gond rese prowtrs；s＇eads positions and kood salary to min uf ability，Apply

Help Wanted－Good math for berlding pants； ingle；must be gcod salesman and spunt English and German．Addr＂ss P．Blondeel，Uak Park，Ill．
Help Wanted－Grower of tine roses，caraa－ icus and general stock；sober indubtrious．Gaod ages to ingty man．Send references． Bor 210 cars American Florist．

Help Waated－At once；two good rose，earns－ lou und general greenhouse men；good steady mploymelt for right men．Address
C．H．Frey， $118: \mathbf{O}$ street，Llaeoln，Neb．

Help Wanted－A good grower of carnationsand propagator of sams；to essist in growing bedding planis and general work around greenhouse． Must be sober．State wages with reference．

Wolfboro Greeniouses，Woliboro，N．H．

Help Wanted－nsy 1：sing man for it pe
 MANAGER，Čplands，l＇arroll P．O．，Baltimure，Md

Help Wanted－One or two greenbouss meu at uce，couns men preferred thet bare had some解
drumkers need apply．Addres
1：VENDEN Bri s．Whliamsport，Pa．
Wanted to Rent－Wue or two swall green monst man hat near Chieago，north side Box 299 ，care American Florist．

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For Sale thout 10.0100 eeet $10 \times 12,8 \times 12$ add xju double thickimpirmod glass．and 16 4－inch ate valtres．J．Geiet，Melrose，Masa．
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648 State St，Springtleld，Mass． For Sale－Owing to the death of the proprietor， he repuhouses and stock of the Lake Gevera A good opening for s practical man．

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For Sale－Grepnhouces of vetwict 7000 sid ，000 square feet of riass with dwelling bouse an bare，horsi and wagons：it iae loeshity on trully line：entire product of greenhouses to be sold a retail；caus．of selling siekness．For furtber
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For Sale－Old agu compels me to quit business． 1htubioes boiler，pipen，thouse of sevea romms，Jot
 ping faculicies in all difectong．Splendid locs－ if disired．Corrmponderessolicited．
For Sale Whll stwoked ertubuses，wewly buil．Tha miles from（hicegn，growing eut fhintrs
for th，wholesale market：four acres of land with about tombe feet under qlasai st．am sod bet watre heatiag apparatus：how builers tursea and Fancons and everything esuntial l＂the business， Gond touse and bara eoty with the liropurty part cish and balance tone time．A money maker． lavestigate．Aldress

For Rent－At Frederiek，Md，greentouses $18 \mathrm{a} 63,12 x 102,20 \mathrm{~s} 162$ ，boiler room 18x60．aquipped With No． 8 Furman boilar，sind small beater ground；dwelling for stablo．sbout two aeres hood；coal，maoure，labor cheap，eity water；do stoek on band．Rent $\$ 300$ per annum，half paysble in edvanee every six moniths．Ill beslth of owner compelled retirement from sucesssiul business；prineipally vegetsbles under glsss and mushrooms for Wastington and New York．

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A valusble greenhouss property consisting of fcut bouses， $6840,268162,26 \times 102,50 \times 100 ; 811$ hested frame eonstruction of the ruost modera psttern and in finest of condition．All stocked with fanoy and in finest of condition．All stocked trith fanoy hours from New York Gity and splendid shipping facilities at all times．These houses with fand will be sald at a reasonable ligure and on easy terms．A good ohsacefors wide awake man with brains，energy snd some resdy movey．Don＇t bothee whin this unless you mera businfas

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This beantiful piece of property is sifusted five miles from the Macon Court House，in the healtiblest part of Ciorgia，about two hundred yards from summerfield，a atation on the Centrib of Georpia Railway，and directly on the main rosdway batween Macon and atlanta，making a beautiful
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The Greanhouses，conslsting of eigbt large，finely enstrueted and up－to－date glass bouses with a smaller one attacbed，are located on a beautiful eminence overlooking a large tract of farming lands and soenery unsurpassed in middle Georgia，is finely equipped with thres handsome houses for omployes，stables，barns，sheds，stc；within easy reach of the solla so easential to the successful growing of flowers．Large sums of money bave been expended to bring the plant up to perfeotion． Abundant supply of water and a Leatiog apparatus，more than sufficient for present needs．About ty－three acres of land go with the place．
The Stores for the sals of the product of the plant are on Cotton avanue，pear Second Street．A more deslrable place oould not be selected withln the bounds of the City．The lesse of the store st a
moderate rent bolds until October 1,1806 ．Isere is to bo found a model estabilishment of its kind，fully modsrate rent bolds until October 1，1906．Ilere is to be found a model establishment of its kind，fully
equtpped with designs and fistures and varlous parapherualis aecessary．The business has been built equtpped with designs and fistures and varlous parapheruslis necessary．The businass has
up to suoh an extent that latelligent management from a purchaser must yleld fine resulte．

N．B．CORBIN，Trustee in Bankruptcy，MACON，GA．

## Madison, N. J.

The Norris County Gardeners' and Florists' Society held its regular meeting on April 12. It was a great success. Many garcieners and florists in addition to regular members were present. Roses and carnations were there in plenty and of a high standard. John E. Haines, Bethleheur, Pa., was there aur staged four magnificent vases of carnations. Joln E. Haines, scarlet, showu in grand condition, received a certificate of merit. Star of Bethlehem, yellow, received honorable mention. Imperial variegated and a pink seedling highly commended. Would like to see more of the latter. H. Weber \& Sons, Oakland, Md., sent vases of My Maryland. Jessica, striped, securing certificates ot merit. Guttman \& Weber's scarlet, Victory, was shown in splendid form, getting certificate of merit.

Our boys at home were on hand with specials of real merit. Wm. Thomas, vase mixed carnations received cultural commemdation. John Heeremans, vase mixed carnations, also cultural commemlation. Wm. Duckham, vase Enchantress, cultural commendation. L. A. Noe, magnificent vases of Amer-
ican Beanty, Bride and Bridesmaid roses secured cultural commendation. J. R. Mitchell, vases of Bridesmaid and Bride and President Carnot, secured cultural commendation. M. McNulty, American Beauty vase, honorable mention.
The judges were A. Herrington, C H. Totty and Wm. Duckham. Messrs. IIaines and Guttman made neat speeches at the request of President Heeremans, and each reccived a vote of thanks from the society.

Robt. M. Schultze and Andrew Mc Kendry were proposed for membership. Edward Reagan, Sec'y.

## Los Angeles, Cal.

J. W. Wolfskill is making rapid strides as a carnation specialist and general plant and cut flower grower. The credit for the success of the establishment in its various departments, however, is largely due to that excellent and well known grower George Watson, whose practice in matters horticultural, often under very adverse circumstances, has not been excelled by any grower in the country. The eastern visitor will find much to interest him at this place.

The E. J. Vawter Carnation Company
are at 214 Mercantile place with their wholesale depot. Their retail store is at Ocean Park where their growing establishment is located.

The Redondo Floral Company, at 246 S. Spring street, put in five new plate store windows this week, remodeling the entrance.

Howard \& Smith, who do a plant trade only, are very busy with planting out now.

Morris Goldenson carries a big show of flowers at his Third street store and in good variety.
J. W. Wolfskill has just completed a fine storage box with mirror and elec. tric lights.

Mexico City, Mex.-Activity in the floral trade has increased to such an extent that the old flower market building is now too small and a larger and more decorative one will be put up.

Wheeling, W. Va.-The florists are now very busy preparing for the great demands of their Easter stock. Lilies, of course, are the leaders with azaleas next in popularity. Bulbous plants will also be popnlar, especially hyacinths. Despite a late Easter, plants will be moderate in price.

## DREER'S HARDY PERENNIALS <br> FOR SUMMER wr nowes

If you are not interested in a general line of Hardy Perennials, but have use for summer cut flowers you should consider at least the following leaders, which are the cream of the best sorts for summer cuttings; you will find them profitable for this purpose as well as being an attraction to your grounds.
We have a large stock and the plants offered are all of such size that they will give the best possible returns, For a complete list of this class of plants as well as all other seasonable stock see our Current Wholesale List.

Anemone Japonica. Not the usual winter killed class of stock, but good vigorous plants growing in 3-inch pots, Japonlca, red. Alba, white Lady Ardilaun, extralarge white. Oueen Cbarlotte, beautiful Lat France piuk double, and Whirlwind, double Anemone Priace Henry. Large double rich deep piuk flowers. A fine new introduction Anemone Priace henry.

Per doz. 100
Achillea, The Pearl, strong $3-1 \mathrm{~d}$. pots $\$ 75 \$ 5.00$ Asclepias Tuberosa, strong lyr. old roots 756.00 Asters hardy in var. strong 3-in. pots. $\quad 1.00 \quad 8.00$ " Edna Mercia; z fine new pink var. 2.00 15.00 Grandiflorus; large flowered late Boitonia Latisquama, 4 -in. pots............. 2.0015 .00
" Asteroides, 4 -in. pots
Pyramidalis, stroug 1 yr. Caryopteris Mastacantha, $3-\mathrm{in}$. pots.... Chrysauthemum Shast Daisy, 2h-in. Chrysanthemum Masimum Triumph Chrysanthemum Maslmum Triumph Cimicifuga simplex (rare) strong Coreopsis Lanceolata, heavy 4 in. pots. Delphinium Formosum, strong 4-in. pots Belladonna (rare) very free flowering................

## Dianthus Latifolius Atrococcineus,23

inch pots.............................. Doronicum Austriacum, 3-id. pots...... Erigeron Coeruleus Grandilhrus, 3 -in
 Feverfew Little Gpm, $34-\mathrm{in}$. pots...... Fupki: Subcordata Alba, 4 -in. pots.. Giailardia Grandinora, heavy 4-inpots, Gypsophila punculata, strong pots.
potsil.... 3 -in, phts............ Maynticum, 3 -in. Heliauthus Multinorus Fots. Pl., strong. Maximilianan, strong... Meteor. strowg. soleil d'or, strung...
Wolley bod, strong. Heliopsis Pitcherianus, 4-ib. pots. $2.05 \quad 6.00$ ${ }^{75} \begin{array}{r}6.00 \\ \hline\end{array}$ 1.2510 .00 1.008 .00 $\begin{array}{r}1.008 .00 \\ \hline 5\end{array}$ $60 \quad 4.00$ 756.00 3.5025 .00 $\begin{array}{r}.5012 .00 \\ 75 \\ \hline 5.00\end{array}$ 75
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7500 $2.50 \cong 0.00$ $\begin{array}{ll}60 & 4.00 \\ 75 & 6.00\end{array}$ $75 \quad 6.00$ $\begin{array}{ll}1.00 & 8.00 \\ 8.00\end{array}$ $1.00 \quad 8.00$ $\begin{array}{ll}1.00 & 8.00 \\ 75 & 6.00\end{array}$ $5 \quad 6.00$ $60 \quad 4.00$
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8 $\begin{array}{ll}1.00 & 8.00 \\ 75 & 0.00\end{array}$ $75 \quad 6.00$ $75 \quad 6.00$ $\begin{array}{ll}.00 & 8.00\end{array}$ $\begin{array}{ll}.25 & 10.00\end{array}$


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Per doz. 100 Heliopsis Scaber Major, 4-in. pots......
Hollybocks, Dreer Superb Double in separate colors..........................
ollyhocks, Dreer Superb Double in choice mixture. Hypericum Moserianu...................... $1.00 \quad 8.00$ Iberis Sempervirens, 3 - 3-in. pots.... 1.008 .00 Iris Ksempervitens, 3 -in. pots.......... ${ }^{75} \quad 6.00$ ris Kaempferi, 24 choice named var.

Germanics 12 ehoica fine choica name fine mixed Lobelia Cardinalis, strong 4 -in. pots.. Lychuis Chalcedonica, strong 3-in pts.
 ". Viscaria $\begin{aligned} & \text { Spleudens. strong } \\ & \text { 4-in. pots............... }\end{aligned}$
Lysimachiaclethroides, strong 4 in pts Myosotis Palustris Semperflorens strong 3-in, pots............. elumps....

## Prouies in choice varieties; see cata.

 logue for varieties. Penstemon Gentianoides, 3 -in. pots.............. Physostegia Virginica, strong 4-in. pts. alba, strong 4 -in. Perennial Phloxes, 85 finest varieties. Perennial Phloxes, 25 inest varieties.Pinks Hardy, 6 best varieties, 4 in, pts.
Pyrethrum Uliginosum, strong plants. Rudbeckia Golden Glow, strour 4-iu. Rudbeckia Golden Glow, stroug 4-1t.
pots...................................
Purpurea, strong 4-in. pots. Scablosa Caucasica. Strong 3 -in. pots." Solidago Rigida, strong 4 -in. pots......... Spire strong 4-in. pots.. Chinensis, clumps............. Filipendula, 11 . 1 l., 4-in pots Qigantea, clumps.
Palmata, clumps.
" Pamata, ciumps..................
Spiraa Ulmaria, stroug 4-ing pots.......$50-4.00$

Cimicifuga simplex.
$\longrightarrow$ Per doz. 100
Per
Spirma Vlmaria, fl. pl., strong 4-in. pts.
Statice Eximia, strong 3-in. pots......
$75 \quad 6.00$
Gmelini, strong 3 -in pots.
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Stokesia Cyanea, strong 3-in. pots

Sweet Williams, strong 4-in. pots. 6.00 |  | 75 | 6.00 |
| :--- | :--- | :--- | :--- | Thalictrum Aquilegifolinm Atropur. purea 4 -in pots. Thalictrum Aquilegifolium Album, 0.00 4-in pots quilegifolium Roseum Thalictrum Aquilegifolium Roseum Trollius Aurantiacus, 4-in. pots............................... 50 Europaeus, 4 -in. pots................. 1.0 Orange Globe, 4-in pots 8.00

10.00 * Japonicus Excelsior, 4-in. pts. $1.50 \quad 10.00$ Tritoma Pftzerii,strong per $1000 \quad \$ 50.00 \quad 1.00 \quad 6.00$ Coralina " " " $\quad 4 \quad 50.00 \quad 1.00 \quad 6.00$ Macowanl:" " 75.001 .00 Uvaria Gra diflora, str'ng per 1000.
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|  |  |
| Valley.............................. 2.00 (0) 400 |  |
| Asparegus Plumosus, perstring 25 to 50 s sprays 2.00@600 |  |
| " Spreoge | 300 |
| Leucothoe sprays........ . . . . . 100 |  |
| Galax Leuves, Bronze, per 1000. 1,00 | 1000. 1,00 . 15 |
| Adiantum ......... 1.00 |  |
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|  |  |
| Wild smilax. ...........per case 600 |  |
| Easter lilies .. per 1000....... 18 | ..... \$125 15.00 |
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2½-INCH POTS.
Per 100 Per 1000


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$3.00 \quad 25.00$
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Fine youog plants, 810.00 per 1000 ZAMIA INTEGRIFOLIA................. $\$ 12.00$ per 1000 Send Money Order on Little Rlver, Fia. SOAR BROS., Little River. Fla, GARDENIA PLANTS. (grandiflora cape Jessamine.)
Our leadiag apecialty. Natural growing conditions here ideal; suze tells its own atory. We ditions here ideal; size tells its own atory. We year, 18 to 24 -io., $\$ 1.50$ per doz.; $\$ 10.00$ per 100 . Gormant now and until February 25th.
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Telephone or Telegraph for Your Easter Wants at the Last Moment if Necessary.

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## 100,000 Alternantheras.

STRONG ROOTED CUTTINGS.
Brilliantiesima. the best deep red, 750 per 100; 0.0 per P ind 500 per 100; 触 00 per 1000 Speoial prices on 5.000 or more

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## Many Elecitrotypes <br> SUITABLE FOR

Folders, Circulars and Catalogues for sale by the
AM, FLORIST, ${ }^{324}$ CEARBORN ST. снісасо.

## The Seed Trade.

## amierican seld trade association.

Chas. N. Pare, Des Noines, Ia., Pres.; L. L. May, St. Piaul, Minn., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-third annual convention at Alexandria Bay, N. Y'., June 20-22, 1905.

Everybody has Stowell's Evergreen to offer this spring.

The onion set market is still dull. Most stocks are cleaned up and prices are low.

Considering the poor potato market seed stocks are moving well. Good northern Ohios are quoted at 40 cents Chicago.

NeSts of ostrich eggs in the Easter show windows of Vaughan's Seed Store, Chicago, are attracting much attention.

Funk Brothers, Bloomington, Ill., report being well sold out on main crop seed corn. Early varieties are not mov. ing so well.
Texas onion shippers claim their reports on this year's crop have been greatly exaggerated. The first carload from there was shipped this week.

Asparagus rust has appeared in the Sacramento valley fields, California, and seriously affected the crop. The new section near Indio, Cal., is still free from such attacks.
Pasadena, Cal.-John Lewis Childs, of Floral Park, N. Y., is reported to have bought the C. A. Scharff Paradise Nursery tract of nine aeres at South Pasadena, which will be laid out with drives, etc. C. H. Hovey, the nurseryman, will be in charge for the present.

3,700 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co, Wholesale Seed Growers.
BAN JOSE, CALIFORNIA.
Please mention the A merican Flor ist when writing.
WILLIAM C.ELLIOTI
507 Broadway, NEWPORT, R. 1.


ORIGINATOR OF VALUABLE
New Yarieties of Sweet Corn
Circulars on application.
Please mention the Amprican Florist when writing.

Growers of callas, freesias and other bulbs successfully produced in southern California are expecting good crops this season, the outlook just now being most favorable for both quantity and quality.

ONE of the reliable pickle men said after the recent convention that the acreage in cucumbers this year would be considerably under that of a year ago Cheap pickle seed cannot be moved at any price.

Muscatine, Ia.-J. E. Hoopes \& Company, the well known truckers, have gone into the seed growing business quite extensively, and a number of good contracts have been reccived for the present season.
Buffalo, N. Y.-The Whitney-Noyes Company has been incorporated with a cash capital of $\$ 50,000$. The firm will engage in the sale and purchase of farm and nursery land; the raising of timber and sale of seed and grain.

Mattituck, L. I., N. Y.-J. M. Lupton writes as follows April 7: "In regard to the prospects for cabbage and other seed crops in our section of the country, I may state that I think on the whole rather more than ten per cent of the cabbages have rotted during the winter. The condition is much better than it was a year ago and those that are coming out of the trenches in good shape scem to give fairly good promise of a crop. The cabbage seed acreage of Long Island is rather below the average and there is hardly a possibility of more seed being grown here this season than will be required by the trade."

## Dutch Bulb Prospects.

Hillegom, Holland, April 7.-Crops are looking promising so far, and if we do not get so much of the weather we are having at present the bulbs will turn out satisfactorily. It has been snowing the greater part of the day and if it continues until night there will be snow a foot deep, and all that on the hyacinths which are in full bloom. We want warm and dry weather.

## The Spring Business.

F. Barteldes \& Company, Lawrence, Kan.-Business this season has been fully as good if not better than last year. For a while we had to work days and nights to keep up with our orders and we are still very busy.

The Steele, Briggs Seed Company, Toronto, Ont.-Our trade to date this year is very much in excess of the same late last year, partly owing to the earlier season and in a measure to the prosperity of the country.

John Lewis Childs, Floral Park, N. Y. -Business this year up to April 1 has been a little better than last year at same date and is running well ahead this month.

## Italian Seed Crops.

Advices from Naples state that since the mildle of November there has been a succession of hard frosts almost without intermission, and owing to their unusual severity during the past months they have caused great damago even to the less delicate plants.

Flower Scerls.-The autumn sowing of these has suffered severely, and any
quotations of prices which may be made are for prompt orders, but without any guarantee as to the quantities to be supplied.

Onion.-English seedsmen are so much dependent upon Italian growers for the Tripoli and Improved Silverskinned types, that they will regret to learn that the crop will be short all round.

Cauliflower.-The breadths put out for seed supply have specially suffered, and it is anticipated that not more than a fourth of the plants will yield seed.

Garden Beans.-Here again will be a great shortage of crop, and no hope of improvement.-Gardeners' Chronicle.

## Customs Decisions.

The following are abstracts of the decisions of the United States Board of General Appraisers promulgated April 12:

Ornamental Leaves, Etc.-Certain leaves of areca, asparagus, isolepis, fern, etc., which bad been dyed, preserved and ornamented, were beld to bave been properly classified as ornamental leave日 under paragraph 425, tariff act of 1897. Certain sea moss was held to be dutiable as an unenumerated manufactured article under section 6 as claimed by the importers, the Botanical Decorating Company, Chicago.
Dill and Parsley Seeds.-The board Sustained the contention of the importer, Harry Hawley, Galveston, Tex., that certain dill and parsley seeds should bave been classified under paragraph 548 , tariff act of 1897, relating to aromatic seeds which are drugs.

## The Free Seeds Distribution.

The congressional distribution of seeds is an example of misdirected and pernicious paternalism in the government to which the Outlook desires to call the attention of its readers. It is a free distribution of seeds and plants in the nature of a present from The appropriation of their constituents. The appropriation of 1901 was $\$ 170,000$; in 1903 it had grown to $\$ 270,000$; this year $\$ 290000$ The fistion the next fiscal year is $\$ 290,000$. The distribution includes not only garden seeds, but flower seeds, bulbs, shrubs, grape-cuttings, trees and plants. These seeds, trees, etc., are sent free through the mails on the franks of the congressmen. It is thus impossible to ascertain how much the transportation costs. The Agricultural and it may be that no record of it is kept. If the weight could be ohtained is kept. If the weight could be obtained, ice could be accurately estimated-for such matter is carried at the rate of such matter is carried at the rate of ing to the last report of the Secretary of Agriculture, the department sent out $40,000,000$ packets of seeds. it is the usual practice of the department to put five packets of assorted seeds in one mail package This would mean $8,000,000$ separate pieces of mail. If these mail packages average four ounces in weight, at a conservative estimate, the postal revenue the government loses is at least $\$ 160,000$. In addition to this there must he charged against this glft enterprise the clerical and other work involved in it. It is therefore safe to say that the federal government spends over balf a million dollars a year in order to enable each congressman to send to each of his constituents a few garden seeds, most of which can be bought in the open market. The whole thing is a development of claptrap, country, political engineering and logrolling. The seeds are used by the congressmen as a cheap bid for favor; they do not conserve the purpose under which the distribution was begun. and the distribution should be ahandoned. It is creditable neither to the congressmen concerned, to the constituents whose favor is sought for in such a petty way, nor to the Department of Agriculture, which is doing such highly creditable work io original investigation and instruc-tion.-The Outlook, April 8, 1905.

Utica, N. Y.-The Florists' Club have nominated officers and will hold an election May 4, at which time a banquet will be given in connertion.


# My Specialities EASTER Everything in Fancy Cut Flowers. ORCHIDS A SPECIALTY. 

Fancy Valley, Violets, Beauties, Tea Roses, Carnations, Callas, Easter Lilies, and all Miscellaneous Stock.<br>A Large Stock of Wild Smilax, Asparagus, Adiantum, Common Ferns and all Decorative Material Always on Hand. Also a fine line of Novelties in Florists' Supplies.<br>Il you want the sest at any Time, or all the TIme, send to

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Send Me Your Hurry Up Orders.
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G00D SUPPLY OF ALL Cut Flowers and Greens.

## SUMMER FLOWERING BULBS

## TUBEROSES.

Dwarf Pearl, first-class, strong bulbs, per 100 , \$1.00; per 1000, \$8.00.
Dwarf Pearl. medium size, per 100, 60 c ; per 1000 ,

## GLADIOLUS.

All strictiy first size bulbs. Per $100 \quad 1000$ Audusta, pure white, blue anthers.... $\$ 3.00 \$ 26.00$ Brenchleyensis, intense scarlet..... 1.3511 .50 $\begin{array}{lll}\text { Ceres, pure white,spotted purplish rose } & 1.55 & 10.50\end{array}$ Mme. Mnneret, delicate rose color .... 1.50 12.50 May, pure white, laked rosy crimson.. $1.50 \quad 19.50$
Vaughan's XXX Florist Mixture.
Tbis mixture is mude up from named wbite sad light varieties and mixtures of light colors only. Per $100, \$ 1.75$; per $1000, \$ 15.00$.

## VAUGHAH'S SEED STORE, <br> NEW YORK.

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## Seed Bags <br> FOR THE TRADE

We manufacture a full line in Manilla, White, Amber or Colored Laid Papers. Also print in quantities. Samples on application. Send list of requirements for estimate.

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100 for 400: 1000) for $\$ 2.00$; 12,600 for 820.00 . Tour money bsok if not astisfectory. Ssmple free if you mean bus'ness.
Carnallon Seed hand bybridized, $1-16 \mathrm{oz}$, for 82.00
The ahove Carastion Seed is vezy oboice, embracing an assortment of over forty vsrieties, sod should bloom a bout four month from planting.
Burbenk's Shasla Daisy, 1 oz...................... 81.00 New Naslurlium, Jupiter, 1 lb..
Pansy Lalifuruia Giant, 1 oz . pomca. Heg venly Blue, 1 oz..
Cosmos, mammoth mixed, 1 oz .
Pop y Mald of the Mist. 1 oz.
Piunia Cap 10 ................ . 20
All the shove seeds sre grown in Csiifornis. 200 an aboveseeds sregrown in Csiforais, and itality. slso grow oholic liower oeed on uture oonlraat.
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E. W. Kirlphatrick. MoKinnoy, Tes., Pres.;
C. L. Watrous, Des Moin's, IA., Yice-Pres:

Thirticth anaual convention, West Baden
Spriugs, Iud.. June $14-16,190 \overline{5}$.

Visited San Francisco, Cal.-B. L. Elliott, of Pittsburg, Pa.

Dr. J. T. Williams, of Dunkirk, N. Y., editor of the Grape Belt, died April 10.

There is noticeable a very general movement in favor of extended and bet. ter parks.

A Nurseryman of Fort Dodge, la., says that the 17 -year locusts are due in that state this year.

The California laws regarding inspection of nursery stock are very strenuous, and especially so against Florida grown products. A fine retail order of $\$ 50$ worth of choice plants from that state was cremated by the Los Angeles county horticultural commissioners March 25 while the owner stood by and watched the job.

## Monterey Cypress.

Ed. American Florist:-
I would like some information regarding the care of Monterey cypress in the state of Wisconsin. Can I plant them in open ground about June 1 or would it be better to put them in pots in the ground and take them up in the falls The trees are three feet high. What kind of soil and what temperature do they require?
R. K.

The Monterey cypress is found only near Monterey, California, and nearby islands, and will endure very little frost. I have seen trees eighteen inches in diameter killed by $14^{\circ}$ of frost. It is a beautiful tree, dark green foliage, very dense, and a very rapid grower, often making two growths a year in California. I bave measured single growths from eight feet to twelve feet. I would advise your Wisconsin correspondent to grow his in tubs and put in greenhouse during the winter, not transferring to the open air before June 1st. We have tried nearly all of the California conifers and have not found a single one that would endure the winters of northern Illinois.

Thos. H. Douolas.

## Newport, R. I.

trade very brisk.
A splendid, weck to look back upon is everybody's report of the past six days. The weather has been perfect, and both large order business and retail counter trade has been very active with the seedsmen. The frost is about out of the ground, and, although the soil is not yet wholly settled much early planting is being done. Potatoes, oats, grass seeds, sweet peas and onion sets are going into the ground fast. As stated weeks ago, everything bids fair for the best season we have had in years, not only with the seedsmen, but in every braneh of the agricultural and horticultural trade. Our florists have had a busy week and are now looking forwarl and preparing for the

Easter business which even now is being talked of as a large trade.

## Notes.

Charles E. Wheeler has been here in the interest of the Bowker Insecticide Company of Boston, Mass. Their preparations such as boxal, pyrox, etc., have fast gained in popularity and sales here; and every succeeding season sees more interest in the spraying of trees and other vegetation.
Carl Jurgens and wife have gone on a two meeks' visit south, and will return in season for the marriage of their son, Carl Jurgens, Jr., to Miss Florida Hubbard, April 10. Their daughter, Mrs. Parker, is here from Providence to remain until their return.

William C. Elliott has issued a very attractive circular describing those new varieties of sweet corn that he can offer for sale the coming season. Mr. Elliott has for years labored over sweet corns and certainly has some very fine sorts.

The first prize of $\$ 15$ for twelve blooms of American Beanty roses, awarded by the Massachusetts Horticultural Society at their recent spring exhibition, went to Arthur Griffin, gardener to Commodore E. T. Gerry at Seaverge.

Alexander Adam will take charge of the glass and gardens at Oakland Farm for Alfred G. Vanderbilt. Mr. Adam has been for many years head gardener to Eben D. Jordan at Chiltonville, Plymouth, Mass.
F. W. Creighton, representing Henry A. Dreer of Philadelphia, spent a few hours with us last Saturday. Mr. Creighton reports trade better than for several years especially in the south.
Gardeners and caretakers of grounds, etc., state that the season, so far as

## EVERGREENS Alstrfient

Specialties-White Pine, Hemlock and Large A.verpree os. Sprigig List for detalls.
Andorra Nurseries, Warnor Harpor, Prop. CHEsTNUT HILL, Pa.


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 For \{Trees, Shrubs, Vines Your) and Small Frults. Dosoriptive In Instrated Catalogna Froe THE WM. H. MOON OO.
## 700,000 Cal, Privet

3 yrs., $21 / 4$ to 3 rt., extra heavy............ $\$ 3.25828 .00$
 3 yrs., 18 to 24 in. ., " 10 ," 3 yrs., 12 to 18 fo., 4 to 8 hranches $2 \mathrm{yrs} ., 31 / 2$ to $4 \mathrm{ft.}$, , very heavy...
$2 \mathrm{yrs} ., 21 / 2$ to $3 \mathrm{ft}$. , well hraoched. 2 yrs, , 2 to $21 / \mathrm{ft}$. .,
 $\begin{array}{ll}2.00 & 23.00 \\ 2.00 & 1.00\end{array}$ (t., well hraqched........ 302.25 $2.00 \quad 1800$ 2 yrs., 18 to 24 In., 5 to 8 1 yr., 14 to 20 10., 2 to 4 ". $\quad . . . .$. 1 yr.. 10 to 14 ln., 1 to $2 \quad$ " $\quad . . .$. Tree form, 3 yrs., heads 4 to 5 teet..................... 75 Tree form, 3 yrs., heads 4 to 5 teet..... 2ac each
All the ahove plants bave been transplanted All the ahove plants bave been transplanted
and cut back except one year, which makes them and cut back except one year, which makes them
a clean, good stock. Parties wanting 5,000 or a clean, good stock. Parties want
over, wlll write and get better rates.

## River View Nurseries J. H. O'HACAN. <br> LITTLE SILVER, N. J.

being able to clear up places is concerned, is at least two weeks behind last spring.
M. Steele of the Rhode Island College of Agriculture has been in this part of the state for several days, taking samples of fertilizers for the yearly tests that are made by the state.
F. L. Zeigler has had an especially good run the past week on funeral orders; he has been receiving some very fine pansies and violets. $\mathbf{X}$.

## Lake Geneva, Wis.

The Lake Geneva Gardeners and Foremen's Association have decided to hold a flower show November 3 and 4. At their last regular meeting a paper was read by A. Johnson, gardener to R. T. Crane, on the propagation and growing of carnations.
Another paper on the forcing of vegetables was read by A. J. Smith, gardener to John J. Mitchell. Both papers were interesting and instructive and were well received by the thirty-six gardeners present.

John Tipladf, Sec'y.
St. Lovis, Mo.-Edw. L. Loyet had an attractive opening at 918 North Kings Highway April 13.

## NOTICE.

W. van Kleef \& Sons Wholesale Growers of Nursery Slock.
BOSKOOP, HOLLAND,
Beg to announce that their representative, $w$. van Kloat, Jr., is again in A merica calling on the trade. All correspondence during April and May,
care Maltus \& Ware, 136 Water Si,
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100,000 well grown plants, 3 to 4 feet, selected,
84.00 per $100 \quad 825.00$ per 1000.24 to $3 \%$ feet, 7 or 84.00 per 100 \$25.00 per 1000. 2 $2 / 3$ to $3 \%$ feet, 7 or more hranches, $\$ 2.59$ per 100: 817.50 per $1000 ; 20$ to 30 in., 5 or more branches, $\$ 2.00$ per $100 ~ \$ 13.00$ per 1000. 18 to 24 in., light, 2 years, 3 or more branches, 8150 per 10,00 per 1000. All of the ahove boxed, f. o. h. here. For car or large lots write before phacing your orders

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CLEMATIS, 2 years old, No. 1. Per 100
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Mme. 20c each in smaller quantitles.
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Sound, medium sized hulhs...................... $\$ 4.00$ 50 each in smaller quantities.
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## Hardy Roses <br> Fine 2-year feld-grown Gen. Jacqueminot,

 Magaa Cbarta, La France, Crimson Rambler, etc., frst size, 12 c ; aecond size, fc: Crimson Rambier XXX, 20c; largo flowarad Ciomatls, ple, lavender, white and red aorts, 2-yesr, 18 c ; ple, lavender, white and red aorts, 1 -year, gc; extra 3 -year, 30 c . Oiomatls Panleu -year, ge; extra a-year, 10 c . Ampaionsls Voitchiista, 2 -year, strong, ista, -year, Amorican Ivy, 8c; Honayauckia, Hall's, etc., 8c; Hydrangea, P. C., lue; splendid tree shaped specimens, 30c. Coiden Clow, atrong roots, 4c. Hardy Phlox, finest named sorta, 8 c . Poonios, fnestvarietles, 12 c : Irla. Hoest Ja pavese and German. 10c: Hardy Shrubs, in the leading varieties, Althaeas, 10c; Berberry, Purple Loavod, etc., 10c: Deutzias, 10c; Japan Quince $80:$ Spirgeas, 10c; Weigelias, etc. 10c. Everything offered is atrong. 2-jear, feld-grown unless otherwise noted. Fruit and oroamenta trees, etc., priced on application. Pacsing free W. H. SALTER,

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The new hardy perenoial. The finest ornamental grasa to be had-perfectly hardy can be used indoors and out, grows rapidly and does not turn green or run to seed. Strong field-grown roots, 15 c each by mail, postpaid. $\$ 1.25$ per dozen; $\$ 8.00$ per 100 by express, charges oot prepaid. Can fill
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50,000 Extra Choice Cal, Privet.

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$\begin{array}{ll}2.00 & 15.00\end{array}$
2-year old, No. 2.................... $1.50 \quad 10.00$
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Capt. Christy, Fisher Holmes,
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uer, etc., all at......... ......... $1.50 \quad 11.00$ FLOWERING SHRUBS.
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HYDRANGEA pauiculata gramin, 08.0 Bushy feld-growna, in bushy tops 300 Each Doz. 100 DEUTZIA GRACILIS, potgrown for 7 -inch pots..... $\$ .15$
field-grown 3 to 4 ft., strong
and bushy and bushy
DEUTZIA LEMOINEI, pot-
$40 \quad 3.50 \quad 25.00$

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BOX TREES (Buxus Samparvirans).
New importation just arrived in fine con
Slandard or Tree Shaped, stems about Bush Shaped, very line bunhy plants. 100
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PEONIES. In case lats.
We have this year secured a bine lot of Pxonia Clnnensis in fancy named sorts. Sntable for Florists use, all young coats, one year These cases contain 67 duable white, 66 duuble pink, 67 double red, each sort named. 200 roots in all. We offer them at the low price of $\$ 2000$ per case, or 3 cares for $\$ 55.00$.
in Saparato Colors. Strong roots, aver
aging 3 to 5 eyes. Woz. 100
Wouble redand crimson ...... $81.50 \quad \$ 1200$
bouble white......................... $1.50 \quad 12.00$
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$\begin{array}{llrl}\text { DIELYTRA SPECTABILIS ..... } & 1.00 & 7.00 \\ \text { SHASTA DAISY, } 3 \text {-inch pots } . . . & .75 & 6.00\end{array}$

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## RHODODENDRON <br> MAXIMUM

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Emhracing a camplete set of 12 Now Contury Dahitas; 25 Now Cactus Dahlias; Now Coilaratta Dahlias; Naw Glant-Flowared Dahllae; Naw Fancy Dahllas; Naw Dacoratlve Dahlias; Now Show Dahllos; New Single Dahllas. ln all 38 of the most wonderful Single Dahlias ever produced, and 44 of the graadest Dauble Dahlias.

All exquiate in torm, abape and coloring; frae hloomers and Monay Makers. Faithfully and

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The Best White Dahila In Existerice, My ownimportation. I control the entire atock of it. Flowers double, of the purest white, 4 to 5 inches in diameter. A wonderful bloomer. Stema, 12 to 18 Inches long. Planta 3 to $3 \%$ feet high. The frest plants from cuttiags. Good atrong atack from $24 / 2$-inch pota, 83.00 per doz.; $\$ 20.00$ per 100 . Delivery May 1 st. Orders alled in rotation. Early bookiog auggested. Highly commeaded hy the American lastitutesnd the New York Florista' Club. Addresa
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SUCCESSFUL SELLERS


## Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.
Address all correspondence for this department to J. H. Pepper, 429 Sixth Ave., New York; Robt. Kift, 1725 Chestnut St., Philadel-

> Life is mostly froth and hubble Two things stand like stone-
> Kindness in another's trouble,
> Courage in your own.

## At Philadelphia.

Twenty-six gunuers faced the traps in the semi-monthly target shoot at the Florists' Gun Club April 11, at Wissinoming. Most of the marksmen made fair scores, but considering the ideal conditions for shooting, the forty scores or better in the club shoot were decidedly smiall.

The veteran John Brewer reappeared after an absence of six years from the local traps, and led in the club shoot by breaking 45 out of 50 targets. McCarty finished second, with 43, leading Class A. Depew led Class B with 41, and Beavan Class C with 32. Scores:
Club shoot, 50 targets, class classifi-cation-Brewer, 45; McCarty, 43; Sanford, 41; Harrison, 41; Depew, 41; F. Coleman, 40 ; Stevens, 39; Riplong, 39; Titlow, 39; Smith, 39; Shew 38; Harley, 37; Mack, 35; Bryan, 34; Bell, 34; Emerson, 33; Beavan, 32; Flick, 32; Hyslop, 31; Terry, 31; Chadbourne, 30; Wilson, 30; Holt, 26; Haywood, 29.

Special sweepstake event, 10 targets -Chadbourne, 7; Beavan, 7; Hyslop, 7; Mack, 7; Thomas, 2; Depew, 8.

Event No. 2, 10 targets-Stevens, 10; Harrison, 8; Bell, 7; Shew, 7; Jones, 7; Flick, 6; Westcott, 8; Haywood, 8; Emerson, 8; Titlow, 7.

Event No. 3-Brewer, 10 ; F. Coleman, 10; Sanford, S; McCarty, S; Harley, 6; Chadbourne, 7; Beavan, 7; Stevens, 8; Harrison, 8; Bell, 3; Jones, S.

Event No. 4, 10 targets-Depew, 10; Sanford, 10; Chadbourne, 8; Harley, 8; Jones, 8; F. Coleman, 9; McCarty, 8; Bell, 3; Beavan, 7.
Shoot-off of ties, miss-and-outBrewer, 8; Stevens, 7; Sanford, 4; Depew, 2.

## San Francisco.

MARKET OVERSTOCKED-PRICES LOWER.
There has been such a great quantity of stock coming into the market the past week that prices have taken quite a slump. There is a very large cut of roses coming in, in fact, there are more roses in the market at present than there has been for many months past. As a rule, the majority of the stock is of indifferent quality. Carnations, too, are becoming a drug and can be had at almost any price. The extremely warm weather has not improved the quality of the bloom either. A great lot of Fnchantress arriving are lecidedly of color, as are Lawson. Red earnations are not overplentiful, but there is fractically no demand for them. liy tho way, a number of vur leading growers are romplaining about the non-receipt of this year's novelties from the eastern specialists. The writer knows one grower who placed an order a year ago
for some novelties, and as yet they have not been shipped. I have heard many similar complaints. There are plenty of outdoor tulips and of fairly good quality coming in, but bulbous stock of all kinds is moving slowly. Great quantities of outdoor roses are having a depressing effect on the market also. Ferns, smilax and all greens are scarce and bringing good prices. It seems that there is going to be a marked scarcity of greens for Easter. Harrisii still continue in ample supply and hold out at fair prices. Sweet peas are not as plentitul as in former years. For some reason they seem very backward this season and many more could be used if in supply. We note very few of the newer varieties, the growers still clinging to the older standard varieties. There is a good opening for some grower to take up the magnificent new sweet peas next season, and why not, when they are as easily grown as the old discarded varieties

The meeting of the Pacific Coast Horticultural Society held Saturday, April 8 , to discuss the question of "Japanese Competition," was one of the most largely attended and enthusiastic in its history. The writer noted a marked absence of retail florists. We must have the retailer with us strongly to attain our purpose, and it is to be hoped that they will appear more numerously than on Saturday night. The committee appointed to look into the matter made a very exhaustive report, which was well received. H. Plath, state vice-president of the S. A. F., addressed the members and made a most convincing argument ou the subject, "Japanese Competition." He showed much thought and study on the question and urged the different horticultural societies throughout the state to co-operate in a petition to their representatives in Congress for the exclusion of Japanese labor. Notices have been sent to all the members to be present at the next meeting, when the matter will be further discussed.

The meeting which was held April 3 at the offices of P. C. Meyer \& Company, the wholesale florists, for the object of forming an association for the mutual benefit of all the wholesale growers, was well attended by most of the growers. The object of the meeting was discussed and the following committee was appointed to draft a constitution and by-laws: Sidney Clack, of Menlo Park; H. Plath, of Colma; P. C. Meyer, of Burlingame; L. Ferrari and $R$. Schwerin, of San Francisco. The committee met on April 5 and decided to call a general meeting after Easter when the constitution will be submitted to the members. All growers of cut flowers are requested to be present. It is for the benefit of all, so we look for a good attendance at the next meeting. The thanks of the growers in general should be extended to P. C. Meyer for his untiring efforts to make this organization a permanent one.

Perhaps the most elaborate display of funeral work ever seen in California was at the funeral of the late Mrs. Stanford last week. Prominent among the vast array of floral designs was a massive reproduction of the memorial arch of the university. It was an enormous affair and was splendidly executed by Pelicano. Mills had a very large design representing the chapel. Sievers had several magnificent designs composed of cattleyas. Many of the pieces were so large that the florists in town had to go to Palo Alto to make them on account of being unable to get them into the express cars.

The Garden City Pottery Company is making quite an extensive addition to its plant owing to the increasing demand for their flower pots.

The citizens of the town of San Rafael are making great preparations for their flower carnival to be held in May. It is proposed to make it the finest in the history of the city.

Frank Hutchinson is now head gar. dener at the Taylor estate at Menlo Park, succeeding J. Brown. Norma.


## We Want to Move

Variety. Kentia Belmoreana.



| Height | Leaves | Each |
| :---: | :---: | :---: |
| $12-14$ | $5-6$ |  |
| $15-17$ | $5-6$ |  |
| $24-26$ | $6-7$ | 1.50 |
| 3436 | 6 | 2.50 |
| 4650 | $7-8$ | 7.00 |
| 28.30 | 5 | 1.25 |
| $32-36$ |  | 2.00 |
| $34-38$ | $5-6$ | 2.50 |
| $48-56$ | $6-7$ | 7.00 |
|  |  |  |
| $11-13$ | $4-5$ | 1.6 |
| $26-30$ | 7 | 1.00 |
| $30-34$ | $7-8$ | 1.25 |
| 3842 | $10-12$ | 300 |
| $10-12$ |  | .25 |
| $16-20$ |  | .35 |
| trs. | $2-3$ | .50 |
| trs. | $3-5$ | .75 |
| trs. | $3-5$ | 1.25 |
| trs. | 3 | 2.00 |
|  |  |  |


| Dozen | 100 |
| ---: | ---: |
| $\$ 2.00$ | $\$ 16.00$ |
| 300 | 25.00 |
| 18.00 | $\ldots \cdots$ |
| 30.00 | $\ldots \ldots$ |
| 1500 | $\cdots \cdots$ |
| 24.00 | $\cdots \cdots$ |
| 30.00 | $\cdots \cdots$ |
| $\cdots \cdots$ | $\cdots \cdots$ |
| .75 | 5.00 |
| 1.00 | 7.00 |
| 1.50 | 12.00 |
| 12.00 | $\ldots$. |



| Each | Dozen ${ }^{100}$ |  |
| :---: | :---: | :---: |
|  |  |  |
|  | \$1.50 |  |
|  | 300 |  |
| 1.50 | 1800 | ..... |
| 200 | 34.00 |  |
|  |  | 3.00 |
|  | 1.00 | 8.00 |
|  | 1.50 | 1200 |
|  | 200 | 15.00 |
|  | 3.00 |  |
|  | 500 |  |
| . | 9.60 |  |

Variely Size Each Dozen 100 Dracæna Massangeana......... $5 \quad \$ 1.00 \$ 12.00$ Asparagus Piumosus.

Sprengeri..

| $\ldots$. | 3.00 |
| ---: | ---: |
| 1.00 | 800 |
| 1.50 | 1200 |
| 75 | 6.00 |
| 1.50 | 1007 |
| 200 | 1500 |
| 3.00 | 30.00 |
| 9.00 | $\ldots .$. |
| $\ldots .$. | 85.00 |

Variety
Size Each Dozen 100 Draczena Indivisa

Maranta Massangeana
Fine for fernerie

We have a fine lot of Dracaena Indivisa as quoted in List.

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## H. KYEBERP \& SONS

##  their two orano new carnations <br> My Maryland and Jessica

My Maryland is already well and favorably known, having been foriat ctub meetings the past Fall and Winter, and in everycate elicitad the highest praise and most favorable comment. We pick this variety to quickly a ad easily diaplace ail other whites for first honors, not ooly inexhibition, hut io commercial points as well. We claim for it a rohustness of constitution quite unequalled in any other pariety and an ease of culture that will denght the heart of the grower. The great vigor of hoth parents (Norway $\times$ Lawson) seems united and improved upoo in this variety

Both of the above are free propagators. We are thoroughly familiar with atock carly and on time, and assure the trade tnat no disappointment will result on that score. We have already booked many orders. it pays to be early. Orders booked are subject to cancellation by the buyer if uasatisfied with either variety up to the time the cuttings are received PRICE: $\$ 2.50$ per dozi; \$12.00 per 100; \$100.00 per 1000.

In Jessica we have, in the red and white variegated clasa, what through several generations of variegated seadings of Helen Keller and Bradt extraction on the one side and Lawson on the ouber. A strong. thrifty growing variegated seedligg hearing the seed. It is a trifle heavier n growth than My Maryland and just Lawson height. Aside from the differences and the color, the description of My Maryland applies to Jassica. Cnder favorable conditions four inch hlooms are not uncommon. We pick Jasalea to win over any other variegated variety.
E. G. HILL CO., Richmond, Ind. H. WEBER \& SONS, Oakland. Md.

CRRYS ANTHENIMS Saman ame Hill ALICulivile Planis and EARLY. Yellow. -R. Halliday, Monrovia. White.-Polly Rose, Mme. Bergman, Ivory, Willowbrook, Geo. S. Kaib. Pink.-Glory
Plak lvory Lady Barriet, Montemart.
MIDSEASON. Yellow.-Maj. Bonnaffon, Co.. Appieton, Yellow Eaton, Percy Plumridge. White.-Mrs. H Roblnson, Mrs. Weeks, T. Eaton. Pink.-Mlle. Liger, Mra. Probin. Red.-Black Hawk, Mrs. Coomhes.
LATE. YBllow.-W. H. Lincaln, H. W. Rieman. White.-Mrs. J. Jones, Yanoma. Plnk.-Maud
 Plante from 24-1n. pote, 9250 per $100: \$ 20$ per 1000. These are all good atandard varieties. Only strong healny plants ased and planta guaranteed strictly up in quality
Baur Floral Co., Erie, Pa. CATION GREENHOUSE CO,

## Asparagus Plumosus. <br> From 4-10., at $\$ 12.50$ per 100; 3 3 -inoh, $\$ 10.00 ; 3$-inch, $87.00 ; 2$ K-inch, 84.00 per 100.

Aeparagus Sprageri, 4-inch, $\$ 800 ;$ 3-inch, $\$ 5.00$ Geraniume, S. A. Nutt, dark red; Bruant and per 100.
Alyssum, (Sweet), double and the dwarf, from 23 -inch, 33.00 ; 3 -1beh, 4.00 per 100.
Ageratums, Stelia Gurney Princess Pauline and Snowball, from 2 -in., 8200 per 100.
Cannas, Chas. Henderson, Burhank, Mme Crozy, F. Vaughan. Egandale, Bouvier, from -inch, $\$ 8.00$ per 100
Coleus, from 2-ioch, Golden Bedder, Verschatfeltii and mixed in many varieties, 82.00 per 100.

Trego, scarlet: Mme. Carnot, La Farorite, Jeso Visud, pink, 4-inch. \$8.00; 3-inch, 85.00 2\%-iach, 8300 per 100; thme. Salleroi, $\because 2 / 2$-inch和的 per 100
Petuaias. Jreer's hest double, in all colors, afach, $88.14 ; 24$-ioch $\$ 350$ per 100 .
Pelsrioniums, tinch, 1 she each; tue stock.
Salvia Splendens, t-in., 28.00 ; 3-in. ins.00 per 100 Vincus, mujor variegata, 4 -inch, 810.00 per $1000_{i}$
3 -inch, 4400 pir 100.

S

St. Paul, Minn.
Stock is now coming in rather faster than it is sold, which has not been so at any time during the whole season. While business is fair, nothing musual has happened to stimulate it in the past two weeks. A good call for blooming plants is the rule. Dutch hyacinths have sold better this season than in former years. There will be more lilies on the market this Easter than usual, but the price will be kept up well. There will be an abundance of other good plants, among them being Baby Rambler, which people take to very well.

## notes.

Charles Keiper, in West St. Paul, has an elegant lot of cinerarias, some that will measure $21 / 2$ to 3 feet across, and in perfect shape. Mr. Keiper has located outside of the city limits but very close to the Rice and State street car linc. He only started to build the 15 th of last September, but has already three houses full of good spring stuff. He has also built a very nice residence on the same place. Mr. Keiper will put up two or three new houses this summer.

Warrendale Floral Company have an extra fine lot of lilies, the best the writer has seen.

Swanson Floral Company have had their store redecorated very nicely. A recent caller was Mrs. C. S. Ford, of Philadelphia.
0.
 $\$ 200$ per 100; 818.00 per 1000. Twice transplanted, 83.00 per 100; $\$ 25.00$ per 1000 . Seed of only selected flowers and well built stock; none better.
C. WINTERICH, Defiance, 0 .

## Grand Rapids Violet Stock

Clumps from the bearh of M. Louise. Imperial and Princess of Wales, $\$ 5.00$ per 100; $\$ 10.00$ per 1000 ; Rooted Cuttings, $\$ 1000$ per 1000 , Pots, $\$ 2.50$ per 100; $\$ 20.00$ per 1000. Rooted Cuttings of Campbell. $\$ 5.00$ per 1000.
CRABB \& HUNTER, bamagarpos. Transplanted Violet Layers,
Princoss of Wales, $\$ 1.50$ per $100 ; \$ 10.00$ per 1000 . Cismalis, large flowered, red, white and purple, good two-year, bome-grown, 25c; $\$ 2.00$ per doz
Panlestata,
Pancsiala, strong, $\$ 1.00$ per doz: ; 88.00 per 100
$21 / 2-1 \mathrm{n}$. dots. 75 c per doz.; $\mathbb{8} 400$ per 100 .
F. A, BALLER, Bloomington, III.


## Verbena King <br> VERBENAS-Rooted cut-

 tings, 60c per 100; $\$ 5.00$ per 1000 .SALVIAS - Bonfire aod St. Louls, the two best of them 811, 81.00 per 100; 88.00 per 1000.

ALTERNANTHERAS70,000 red sad yellow, Sept. alruck, equal to $3-$
in these are foo: 600 in; these fre floe: 600
per 100; 85.00 per 1000 . HELIOTROPES-The b
named varleties, 81.00 per 100; 88.00 per 1000 . COLEUS Thirty named leadigg varieties, 700 per 100: 86.00 oer 1000 .
per PETUNIAS-King's Double White, the great bloomer, fue for cut flower work, $\$ 1.25$ per 100; 810.00 per 1000

CUPHEA-(Cigar Plant), $\$ 1.25$ per 100; $\$ 10.00$ per 1000.
SWEET ALYSSUM-OOr big double glant, $\$ 1.00$ per 100; 8800 per 1000.
LANTANAS-5 best varleties, 81.25 per 100; $\$ 10.00$ yer 1000 .
We prepay express charges on all rooted cuttlogs, snd guarantee satlsfaction and safe arrival. Write for prices on large lots; also send for liat of rooted cuttings.
C. HUMFELD, Clay Center, Kan. The Rooled Culling Specialist.

# THE FINE NEW PINK ROSE LA DETROII Per 100 Per 100 $21 / 2$-inch................ $\$ 8.00 \$ 75.00$ 31/2-inch.................. $12.00 \quad 10000$ <br> thide fine <br> <br> suapDragons <br> <br> suapDragons <br> White, Pink and Yellow. <br> $\$ 600$ per 100 . $\$ 50.00$ per 1000 <br> <br> JOHN BREITMEYER'S SONS, <br> <br> JOHN BREITMEYER'S SONS, <br> DETROIT, MICH. 



## Chrysanthemums.

Dr. Enguehard. Wim. H. Duckham, from 21-ic. pois. at $\$ 10.10$ per $100 \quad \$ 1.50$ per doz.
Mlle. Marte Liger, Yellow Enton, Ethelyn. Miss Alice Byroo, from 2 , $4-$ in. pots, at $\$ 4.00$ per 100; $\$ 35.00$ per 1000 .

General Assortment.
The following from 2L/4-in. pots, $\$ 3.00$ per 100 ; $\$ 2500$ per 1000 .
Rooted cuttings, $\$ 2.00$ per 100; $\$ 15.00$ per 1000. WHITE. Early-George S. Kalb, Polly Rose, Willowbrook. Mid-Season-Miss Minnie Wenamaker, Ivory, Mrs. H Robinson, Niveus, Queen. Late-Mrs. McArthur, Timothy Eaton, W. H. Cobadwick.
PINK. Early-Glory of the Paoific. Mid. Season-Plnk ivory, J. K. Shaw, Adela, Mrs. Perrin. A.J. Balfour. Late-Maud Dean, Laveoder Queen, The Harriott.
YELLOW, EARLY-Monrovia. Mid-Season -G. Pitcher, Col. 1). Appletoo, Golden Gate Late-Major Bonnafion. Mrs. Tranor L. Park

RED.
A. N. PIERSON,

## Roses.

Grafted aod own root stock of the following varieties of Roses: IVORY. Bride, Bridesmatd. Meieor, Madame Hoste, Golden Gate, Mrs. Pierpont Morgan, Mme. Abel Chatenay.
Grufted, $8 \$ 15.00$ per 100; $\$ 120.00$ per 1000; for A No. 1 stock; nothing else will be sent out. The above varieties on their own roots, from M-in. pots, $\$ 5.00$ per 100: $\$ 45.00$ per 1000.
Sunrise. On own roots, from $21 /$-in. pots, 88.00 per 100; April, May and June delivery.
American Beauty. Own roots, from 2x-1n. pots, $\$ 8.00$ per $\cdot 100 \quad \$ 75.00$ per 1000.3 in . stook 12.00 per 100; $\$ 10.00$ per 1000. April, May and

Extat five KIL LARNEY
21/3-in. pots, $\$ 5.00$ per 100 . Special prices for larger quantities on application.

## Carnations.

Rooted cuttings now ready of all reliable and well-known varieties. Send for price list.

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## Pansies 200,000 Pansies

Fine large transplanted plants, prize strain of the famous large flowering Bugnots, Cassiers, Odier and Trimardeau. Stocky plants from cold frame, 50 e per $100 ; ~$
Extra large plants 000 ming in bud, 81.00 per Extra large plants ooming in bud, 81.00 per 100.

Mammoth Verbenas, 60c per 100; 85.00 per 1000; $2>$ in. $\$ 1.50$ per 100.
Stocks, dbl. white for Easter, $\$ 1$ per 100: $\$ 3$ per 1000. Daisies, dbl. white, 750 per $100 ; \$ 500$ per 1000 . Feverlew. dbl. white, $\$ 1.00$ per 100: $\$ 8.00$ per 1000. Salvia Splendens, 81.00 per 100.
Lobelia dwarl blue, 81.00 per 100.
Ageralum, dwarf blue, 60 c per 100.
Geraniums, Nutt, Ricard, La Favorite, Viaud and Poltevine, 4-1n. in bud and bloom. 86,00 per 100. Petunias. double fringed; dark blue Heliotropes,
bud and bloom, 4-inoh, $\$ 6.00$ per 100 .
HILL TOP GREENHOUSES, 15 Gray Ave., Utica, N. Y. Please mention the American Flovist zethen aurilung.

WHITE LAW 50 N which we introduced lost season has given great satisfaction, and bas proved to be The Finest While Carnation ever sent out. Remember we are headquarters for it. The demand will undoubtedly exceed the supply thls geason, snd in order to secure early delivery, no tlme should be tost in placing order. We are now booking orders for early January delivery. Orders will be fllled stritotly to rotation as received, so the earller ordere are booked the earlier deliveries can be made. We cen eupply First-cass strong rooted cuttings, $\$ 7$ per 100; $\$ 60$ per 1000 . Also the otber novelties of the sesson-Fiancee, Cardinal. Fred Burki, etc. Atso the cream of oider sorts-Mrs. M. A. Patten, Daheim. Enchantress, Flamingo, Mrs. R PIERSON

## ROOTED CUTTINGS

Capnations and Chrysanthemums. Strong soil plants of Lady Campheli Violets. Send for list.

Waban Rose Conservatories jorns. .mer. Summit. .,. Natick, Mass.

## ROSES.

Don't forget Roses. lf you have not the room, order them grown up to 3-inch for you. $1 t$ pays. CHRYSANTHEMUMS.
A fine lot in the sand, and a lot of 2-inch. Write GE0. A. KUHL, PeKin, IIL.

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Per 1000
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Queen Louige
$\$ 7.50$
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Floriana.
50.000 Queen Louise ready now, the others the latter part of

Big lot of rooted cuttings ready the 17 th . Send for Summer Price List.
SMILAX.
If you buy 25 plants or 25,000 send for prices. I have SMILAX and ASPARACUS in any quantity, well-grown and carelully packed.
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## $\frac{\text { retar }}{\text { Now }}$ Gen. MacArthur.

THE most prolific flowering Red Rose in the market to-day. Grows finely in same temperature as Brides or Maids, and will produce fully as many first-class flowers as either.
$21 / 2$-inch Pot Plants, own roots............... $\$ 10.00$ per $100, \$ 80.00$ per 1000
Strong Grafted Stock from 3-inch pots............................. $\$ 12.00$ per 100

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Geraniums
10 varieties, fine plants, $23 / 4$-in. pots...... 83.00 10 varieties, fine plants, $31 / 2$-in. pots...... 400 Altornantheras, red and yellow............... 2.00 Asp. Plumosus Nanus, 214 -in. pots.......... 2.00 Asp. Sprenoerl, 23/6-1n pots.................. 2.00 Varbanas.. 200
Vinou Vine, Var....................................... 2.50 CASH or C. O. D. JOS. H. CUNNENGHAM, Delaware, Dhio. Rooted Cuttings propid ACERATUM, Guruey ALTERNANTHERAS, best red sind yellow, 50c: $\$ 4.00$ per i000. COLEUS, best bedders, 60c. FUCHSIA Trophee snd other good sorts, Si.00. SALVIA Bonfire and Splendens, 900. HELIOTROPE, blue. PETUNIA, 10 best sorts. 100.

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12 varieties, 23-inch pots........................ Per 100
Potunias, double. ..... 3.00
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Primroses, Chinese, Cbconics and ForbesiJuly $1 .$.00| .00 |
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| .00 |

## ASPARAGUS PLUMOSUS

Nice stock from 2-in. pots. 8225 per 100; 820.00 per 1000: not less than 500 at 1000 rates.
Rubbers, fine piants, 5 in. pots, 23.00 per doz. Candas. We have s,000 from 3-in. pots, ready May 1. st $\$ 0.00$ per 100, in 20 best varieties.
W. W. COLES, Kokomo, Ind, Please mention the American florist when writing.

## Columbus, Miss.

Business has outgrown the 35,000 square fect of glass, at T. G. Owen's establishment, which covers all the land he has at present location, and he has recently bought thirty-six acres of very rich land just on the edge of the city which for more than fifty years has been used as pasture, dairy and truck gardening. This place has an artesian well and soil well adapted for the growth of cut flowers. He has started the erection of a range of houses of 40,000 square feet which will be up to date in every respect. The sash bars, gutters and ventilating sash are furnished by the A. T. Stearns Lumber Company. The posts will be red cedar, the siding and bench material heart cypress. The new range will be planted in carnations. Both places will be run the coming winter but early next spring the older houses will be moved to the new location, making this place the largest and best equipped place in the south.

Mason City, Ia.-The office of the Ideal laundry is one of the most attractive spots on Main street. Flowers, plants and vines are seen here the year round.


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Mrs. Winters
The beautiful new white is still que日t of the world, strong tubers, 810,00 per 100.

Ingeborg Egeland the lasding soarlet cactus, 83.00 per doz.; 820 per 100 . Other novelties add stadedsas. Also daubla field-growo Hollybocks. true to color, 83.00 per 100 . Gladioli, Peonies and Herdy Plants. Sead for catalogue.
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White $6.00 \quad \$ 5000$ $6.00 \quad 50.00$ $\begin{array}{rr}4.00 & 30.00 \\ 5.00 & 4000\end{array}$ $12.00 \quad 10000$

## CHRYSANTHEMUMS.

# Per 100 Per 1000 

 $\begin{array}{ll}\text { Maj. Bonarfion, yellow............. } 8200 & \$ 1500 \\ \text { Robinson, white................... } 200 & 1500 \\ \text { Glory of Pacific, plak............. } 2.00 & 15.00\end{array}$ $\begin{array}{lll}\text { Glory of Pselfic, plak.............. } 2.00 & 15.00 \\ \text { Este } & 25.00\end{array}$ M. Liger, piok....................... $2.00 \quad 15.00$Wm. Duckbsm, pink.......... Same varleties from 21/4-lnch pots, 81.00 per 100 extra.

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## EasterStock <br> IN EASTER LILIES, <br> Wholesale TRADE LIST.

 HYDRANGEAS, GENISTAS, SPIRAEA GLADSTONE, RHODODENDRONS.
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S. D. BRANT, Clay Center, Kan.

Asoarapus Plumceus Sprengeri end Dacumbone, 3 inch pois, 75 c . per doz., 85.00 per 100 . ampeioosia Voltohi, 3.inch pots, 76c. doz., 8500 clomatis, la ge floweriog variety, 2 years old in. $h$ pots 3300 per doz.
Draceane Indivisa, 3-in., 75 c per doz., $\$ 5.00$ per 100; 44/in. pots, pots, 82.00 per doz.; 6-io. pots, 83.00 per doz.

Caranluma, scarlet, pink and white, 3-inch pots. 600 . per doz., $\$ 4.00$ per 100.
Honeysucklo (Hallesoa), 5-inch pots, $\$ 1.50$ per doz.; 810.00 per 100.
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Panslea, seuntate colors, yellow, white sod blue, Poine ptiles
Poinsotties, stock plaots, darmant, 5-inch pots,
stcok from $2 \%$ in prot
Stcok from 21/9-in. poig, $\$ 300$ per 100.
Asparsgus Plumosus, Comorensis, Sprengeri blaum, white; Abutilon Savitzii; Ageratum, hlue and white; Coleus, Verschaffeltii, Golden Bedder and fancy varieties, Cobera scandens, Clematis padiculata, Draceos indivisa, Fuobsiss, double and single; Feverfow, Litule Gem, Gera aium Mme. Salleroi (sttong) and Mrs. Parker; Lobelia, dwarf blue Nusturtium, dwarf: Petunias, double white: Phlox Drummondi, dwarf: Salvias, Sadsevieria Zeybanica, Swaidsoda glba, Verbeoss, mammoth varieties, Impatiens Sultani.
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| Ivory | Souv. de Wootton |
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## Double Petunias.

## Extra fine, 2-inch, 20.

PARIS DAISY, Giant 2-inch, 2 c . PARIS OADE DASIES, Snowheil, Longfellow, 82.50 per 1000 , in bud and bloom.
ABUTILONS. 2 varieties, $2 \not 2$-inch, $2 / \frac{1}{2} c$.
CERMAN IRIS, divided ronts, $\$ 1.00$ per 100.
COLEUS, 15 kinds, 2-in. 2c.
HELIOTROPE. blue, s-inch, 2c
STEVIa, Serrata and Variegata, s-inch, 2c.
HOLLYHOCK, 3 kinds.
FORGET. MENOT, Everblooming, 2 -in. $1 / 3 \mathrm{c}$ RUDBECKIA, divided roots, $\$ 1.00$ yer 100
COREOPS'S Lancliolla, field, 2 c .
aceratum, Gurney, Pbuline, alternanthe RAS, red and yellow; 2-inch, $\$ 200$ per 100 ALYSSUM, Giant double, $2-i n ., 20$.
Rooted Cuttings, per 100, prepaid: Helfotrope, 750. Agoratam, Gurney. Pauline, 50c. Selvie. Splencens, bonare, bert verieties, 90 c Herd per 1000. Fuohala, 5 best varieties, 90 c Herdy $\$ 500$ per 1000 Dbl. Pstunlas, 10 finesi. 81.00 Ahernenthora. red and yellow. 50 c ; 350 per 1000. Stevla, Serrata, 75c. Clant Parls Dalay, 8J.00. Colsuss. $60 \mathrm{c}, 55.00$ per 1000 . Mums, Western Ki.g Weeks, Halliday, \$1.00. Smllex Saodilngs, 30 c per $100 \quad \$ 2.50$ per 1000. Gold on Foverfow and Centaure Cymnocarpa, uice youlg plants, 60 c per 100.
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SCOTTII
The Most Graceful Nephrolepis Known
Retailers who have handled this fern are unanj mous ia proclaiming it the best Fern ever introduced.
Consult any grower who has hought Soottli and he will tell you that it is as far ahead of the Bostan bs that variety is abead af all other introductions.
See my adr on second cover page in American Florist of Feb. 25th.
JOAM SCOTT, Kana giom gememowes.
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Jacs Smits, Ltd, Nationen. Wholesale Growers of $\begin{gathered}\text { Hardy, Fancy } \\ \text { Ornamentil }\end{gathered}$ nursery stook, pot grown forcing plants. Lilacs a specialty. Berlin and LIamburg Valley-the West quality. Catarge

NAARDEN-gUSsUM, near Amalerdam, ia sur R, R. Dapot. Matling address during April and May: JACS SMITS, care MALTUS \& WARE,
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# Easter Plants 

 A SPECIALTYNow ready for jmmediate shipment blooming Easter Stock for Easter we ek or before if desired. I am noted and bave a reputation for the past 15 zears for rasing and shipping chaice Easter plants throughout the land. I have 9 houses, the prames crowded with plants in better condition thas ever berore.
AZALEA Mme. Van der Cruyssph. a perfect poet's model. as round as an apple, none such in existencein America, cheaper thananywhere else. Just think, plants with 125 to 200 and more buds and flowers 75 cents, $\$ 1.00, \$ 1.25, \$ 1.50, \$ 1.75$ to $\$ 2.00$ each. Other varieties from 75 cents, $\$ 1.00, \$ 1.85$ to $\$ 1.50$ each.
LILIUM HARRISII Bnd JAPAN MULTIFLORUM, (Michel s special bulbs), 6-inch pots, 5 to buds to a plant, 10c per bud, below 5. 12 c per ud. No lilies sold by themselves.
CINERARIA, Iybrida, best strain, all shades, -inch pats, $2.00 . \$ 3.00,84.60$ sad $\$ 5.00$ per pink and few white, $\$ 5.00$, $\$ 6.00$, $\$ 9.00$ and pink and rew
$\$ 12.00$ per doz.
SPIRAEA Gladstoneare the finest we have ever handled. A Hollond specialist furnished us with extra bulbs last fall: 6-inch pots 50 to 75 cents each. Other varieties, such as Floribunda, Japonica, Blondine, 6 -inch pots, full of flowers, large plants, $\$ 3$ to 84 per doz.
ROSES, Imerican Beauty. 6-inch pots, bushy, 24 to 30 inches high, 50 c to 75 c each; 5 -inch, 30 c to 35 c each. Hardy Hybrid Roses, including Hermoss, 51/2-inch pots, $\$ 3.00,84.00$ and $\$ 5.00$ per doz.
BEGON1A, Pres. Carnot, Flambeau, 3 good benclaz. -inch 180 per doz APAUCARIA per doz; f-inch, $\$ 1.80$ per doz ARAUCARIA EXCELSA, -1 ach pots,, 5 and 6 EIS, STICA 6 to 7 inch pots. 25 to 35 inches bigh, 8600 , $\$ 9.40$ and $\$ 1200$ per daz
WHITE DAISIES, 6 -inch pots, $\$ 300$ per doz. HYACINTHS, mixed, from first-size bulbs, my own importation. Grant Maitre, ling of the Blue, Gertrude, pink, Grandiflora, white, 812.00 per 100. VON SION, donble-nosed daffodil, the best double nitreissins grown, 5 to 6-inch pots, full of fowers. to xa per doz.
TOURNESOL double tulips sell at siglit; 3 in 4-inch pot. 1.50 per doz.
CINERARIA 11 ybrida. in 100 beautiful colors,


## READ THESE TESTIMONIALS:

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giad to know just where to look when in Deed of giad to know just where to look when in deed o
fancy stock.

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Oklahoma Agricullural and Mechanical Coltege Stillwater, Derember 10,19
 arrivel in gond shape. The bill has been o. Kicu and sunt in :nd will be paid shortly. Pleth - $\quad$ ". pt my thanks for material sent gratis


To save express charges, mention with or without puts. Gash with order please. $A l l$ good travel at purchsser s risk. My place is 0 minutes fronl city hall by trolley, Germantown cars, a
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FEVERFEW (Litlle Gem)-From $2 \frac{1}{4}$-inch pots, $\$ 2.50$ per 100 .
GERANIUM OROSA AND SNOW QUEEN-Your last chance to secure these grand new bedding varieties. Extra strong from $21 / 4$-inch pots, $\$ 15.00$ per 100.
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Lemon verbena-Excellent plants from 21 inch pots, $\$ 3.00$ per 100.
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MIRANDIA-Thrifty stock in $21 / 2$-inch pots, $\$ 4.00$ per 100.
Nephrolepls Bostoniensis, N. cordata compacla and N. Piersoni-Ready for a shift, now in 21 inch pots, $\$ 3.00$ per 100.
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SWEET ALYSSUM (Double)-Plant now for summer flowers. From ${ }^{1}{ }^{1}$-inch pots, $\$ 2.50$ per 100.
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Some of the Best Hardy Perennials,
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ANEMONE JAPONICA ALBA- $2 \frac{1}{4}$-inch, $\$ 4.00$ per 100.
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AQUILEGIA (Columbine) LONG SPURRED21 inch, $\$ 300$ per 100.
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CHRYSANTHEMUM MAXIMUM TRIUMPH$2^{1}$ - -inch, $\$ 250$ per 100.
DELPHINIUM QUEEN OF BLUES-21, 2 -inch, $\$ 3.00$ per 100 .
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RUDDEECKIA NEWMANI-3-in., $\$ 3$ per 100. RUDBECKIA TRILOBA-3-in. $\$ 3$ per 100.
If iu need of otber stock than harein noted, Write

ADRIAN, MICH.

## Toronto.

actlve market.
Trade is unusually active for the season and considerally y ahead of last year. The social circle has not been as quiet as is expected during Lenten season and considerable stock has been in demand for funerals, cte. Quite a falling off is noticed in the carnation receipts and violets are about done for, the few that are coming in being of very inferior quality and when sold to the better class of customers only give dissatisfaction. Sweet peas and niyosotis are taking their place, the former being very fine with 15 to 18 -inch stems. Roses are in fine shape and for Easter there will be large quantities of special select stock. The leading varieties at present are Mme. Chatenay and Gen. MacArthur. Those with very long stems are most acceptable and find ready sale. American Beauty with 6 and 7 -foot stems are quite common and are well worth the retail figure of $\$ 9$ per dozen.
Though the season is late there will be bulbous stock galore and the supply of azaleas and rhododendrons seems unlimited. In lilies, Harrisii are about over, but plenty of longiftorum are to be had. The flowers are very large but in most places the stems are on the short side. Lilacs are plentiful and some very fine. Ramblers and ericas are in evidence.

## notes.

J. H. Dunlop has some Kaiserin roses which are just coming into bloom. His American Beauty are exceptionally fine and with a large collection of other roses, caruations, flowering plants, bulbous stock and a house of fine mignonette his Easter stock will be large.
Dunlop shows American Beauty with stems eight feet long, placarded from their own conservatories, which proved quite a drawing card, even causing the daily papers to comment.

Pussy willows prove attractive in the store windows, one variety with the wood the color of red dogwood and with very large catkins finding ready sale.
Murillo tulips as strong and vigorous as outdoor stock, with 2 -foot stems, are coming from Grobba \& Wandrey.
Hydrangea from Grobba \& Wandrey will he among the favorites, being well grown and nicely colored.
Manton Brothers are cutting some fine cattleyas and cymbidiums.
D. J. Sinclair has been on a visit to Montreal.
H. G. D.

Pasadena, Cal.-Dr. Rudolph Schiffmann, the well known orehid specialist of St. Paul, Minn., has bought a beautiful winter home here

## Cottagiel Cardens Co, rea

QUEENS, LONG ISLAND, N. Y. SPECIALISTS:
PEONIES, CARNATIONS AND SPECIMEN NURSERY STOCK

## Asparagus, Peonies, and Pansies.

Asparaqua, Honvallet's Gisnt, \$1.35 per 100 Pooplos *s
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LIBERTY, rose pots, $\$ 15$ D0 per 100; 31/8-inch pots, per 100.............. $\$ 18.00$
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100, $\$ 95.00$ per $1000 ; 3 y$-inch pots, $\$ 1500$ per 100 , per $1000 \ldots . .$.

# 500,000 VERBENAS 60 Varieties. <br> PERFECTLY HEALTHY. IN BUD AND BLOOM. 

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| Per 100 | 1000 |
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| 6.00 | 50.00 |
| 700 | 60.00 |
| 6.00 | 50.00 |
| 3.60 | 80.00 |
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Ageratums, dwarf, blue and white........... $\$ 1.75$ Alternantheras, red, yellow, 100 R. C. . $50 \mathrm{c} . .1 .50$ Alyssum, Sweet, Giant dbl., 100 R . C., $75 \mathrm{c} . .{ }_{5}^{2.00}$ Cannas, Cobaea Scondens, trpl. from flate, \$1.co... 2.08 Coleus, io varleties, $100 \mathrm{R} . \mathrm{C} ., 70 \mathrm{c} . . .{ }^{(.) . . .} 2.00$
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Benthy's Famous Asters, extra fine stock. irom flats, $\$ 1.00$ per 100. $\$ 800$ per 1000; from $215-10$ Hobenzolloro Cerlaon's Americ
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Easter will be boyer and pecoration Day GEO. A. KUHL offers:

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Much more valuable then the Boston Fera, beceuse with the most ordioary culture it will grow into beautiful compact specimeo plants.

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Extra fine stook, cut from beoch oow ready for $5,8,7$ and $8-10 c h$ potB. At
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## Pasadena, Cal.

Robert Leithead, manager of the Hotel Raymond, has seme grounds at South Pasadena that have averaged a mest effective panel of low growing flowery plants. On the railway side of the grounds this appears an effective bed by day, but at night the word "Raymond'" flashes out from the flowers, in electric glebes, in a most striking manner.

Adolphus Busch, the St. Louis brewer, has purchased the Cravens place, consisting of a fine heuse with ample grounds, on a fine site overleoking the valley and mountains. To this he has added ten acres of lewer greund for landscaping. His gardener, Mr. Frasier, has been instructed to secure a specimen tree, shrub or plant of all available kinds. The new terraces, costing over $\$ 5,000$, have been washed eut on two different occasions by the heavy rains.

## Madison, N. J.

C. H. Totty reports a good sale for novelty chrysanthemums, especially Mrs. Vm. Duckham and Merstham Yellow. He intends to drep cut roses and devote his greenheuses to carnations and chrysanthemums, especially the new varieties. He will exhibit specimen bloems of the latest imported chrysanthemums this fall.
Wm. Duckham, superintendent for D. Willis James, is propagating for next winter's use a pink spert of carnation Enchantress of a deeper shade than Wm. Scott.

## Chrysanthemum Novelties

Merstham Yellow, White Coombea, Emily Mileham, Valerie Greenham, Mrs. H. A. Allen and sill other noveltios 50 c each; $\$ 5.00$ per doz.
Mre. W. Duckham, the cup winner. 75c each; 87.50 per dozen. Send for list
CHARLES H, TOTTY, Madison, H. J. ROOTED CUTTINGS OF EARLY
CHRYSANTHEMUMS.
Opah, Mme. Bergman. Willowbrook and Cctober Sunshine.
Rooted Cuttings of violets of all kinds ELI CROSS, Grand Rapids, Mich.
 A FEW OF OUR LEADERS:
Wm. Duckham Ben Wells. Mrs. Thirkell, g200; F. A. Cobbold, Leila Filkins, $\mathbb{E}_{3.60 \text {. Dr. Enguehard, } \$ 1.00}$ per 100 .

Asparagus Sprengeri strong 234 and 33-in. 81.75 Send for comper 1600 W. A. CHALFANT T, Springfield, Mo

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The great "Bread and Bulter" holly berry red. Ebrly und continuaus, sure crop for Christmas. fows on long wiry stem that well supports the bloom, an easy doer and an mll-around money maker. 'Nough sald. Price for immediate delivery, 12 for $9150: 25$ for $82.50: 50$ for 84.00 , all post. patd. 8.00 per 100 ; $\$ 5000$ per 1000.
QUEEN LOUISE. the standard whlte, strong heaithy well-ronted, 81.25 per 100, postpaid; 810.00 per 1000. Sallslaclion Guaranleed.
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KENTIAS, As fine a lot of alogle and made-up plants as ever grown, 4-1n., 5-in., 6-1n., 7-in., DRACAENA INDIVISA, 8, 4, 5-inch, $85.00,810.00$
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ASPARAQUS PLUMOSUS, 2 and $8-\mathrm{in}$., 84.00 and 88.00 per 100.

ASPARAGUS SPRENGERI, 2 and $8-1 n ., \$ 3.00$ and 85.00 oer 100.

GERANIUMS, Jean Viaud, B. A. Nutt, Castellane, John Doyle, Perkins. SIngle and Double, Gen. Grant, La Favorite, Mme. Salleroi, 2-in. pots, 82.50 per 100 .
GLADIOLUS BULBS, good mixture, 750 per 100 , 86.00 per 1000 .

GERMAN IVY 2-In., 22.50 per 100.
VAR HELOTROPE DBELIA, VERBENA, VINCA VAR , HELIOTROPE, Double and Single PETUNIA, 2-tn. pots, 82.00 per 100

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STANDARD FLOWER POTS！
Paoked In small orates，easy to handle．

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## Pittsburg.

 DULL MARKETBusiness seems to have been suppressed entirely, but by April 20 the resistant conditions that the Lenten season imposes will be dissolved and the usual uncheckable rush will have begun and if predictions come true it will undoubtedly be the biggest Easter season on record.

## NEWS NOTES.

On April 12 Phil Langhans, Ed. Reineman and E. C. Ludwig made an inspection of the Pittsburg Rose and Carnation Company's plant and speak highly of the preparations of that estab lishment to meet the Easter demands.
Bill Clark has been made president of the Sheridan Borough Improvement League. The Pittsburg Cut Flower Company now has two presidents in the firm.

On April 27 the Americus Club will give its annual banquet, at which many national celebrities will be present. The decorations for this will be extensive and costly.

Sunday, April 16, was the coldest April day for thirty years, the temper ature being down to $98^{\circ}$, with snow storms and high winds.
Mrs. E. A. Williams has secured the adjoining store room and will have a fine display of Easter novelties on view.
John Bader's plant is going at full blast night and day in order to get out the great number of shipping orders.
Pittsburg department stores are keenly competitive in the sale of rose bushes, seeds and plants.

The Pittsburg Cut Flower Company expects to have the biggest Easter business in its history.
E. C. Ludnig has issued some very artistic floral cards.
Visitors: Mrs. Kussart, Point Marion, Pa.; H. C. Geiger, Floral Exchange, Philadelphia.
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Abutilons-4 varletles, $21 / 2$ In., 3 c.
Byer Bros. Chambersburg. Pa. Achyranthus-Red only, $\$ 1.50$ per 100 Jas. A. Lake, San Jose, Cal
Ageratums - Ageratum, rooted cutings, Gurney, Pauline, 50 c per 100 Byer Bros., Chambersburg, Pa.
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S. D. Brant, Clay Center, Kan.

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Ageratum-Blue and white. $\$ 1.50$ per 100 . Jas. A. Lake, San Jose, Cal.
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Alternantheras- 100,000 Alternantheras, strong rooted. Brillantisslma 75 c per 100 , $\$ 6$ per 1,000; A. Nana, 50 c per
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more. Davis Bros., Morrlson, Ill.
Alternantheras - Alternanthera, red and yellow, $\$ 2$ per 100
Jos. H. Cunningham, Delaware, O.
Alternanthera-Best red and yellow, 50 c per $100, \$ 4$ per 1,000 , rooted cuttings prepaid; best red $2-1 \mathrm{n} .$, \$1.75, by express Byer Floral Co., Shlppensburg, Pa

Alternanthera-70,000 red and yellow Sept. struck equal 2-in., 60 c per 100 . $\$ 5$ per 1.000. C. Humfeld, Clay Center, Kan
Alyssum-Sw, Giant, dbl. 100 R. C. 75 c .; from $214-$ in, $\$ 2$ per 100 . By mail
add 10 c per 100 , R . C. and seedlings. Cash with order. Ludvig Mosbaek. Onarga, 111.

Alyssum-Sweet, dbl. and dwf., from $21 / 2-$ in. $\$ 3$ per $100 ; 3-$ in., $\$ 4$ per 100 Cation Greenhouse Co.. cor. 5th Ave. and Elliott St., Peoria, Ill.

Alyssum-Sweet, ${ }^{2}$ to $2^{212-i n ., \$ 2.50 ~ p e r ~}$ 100. Geo. A Kul Pekin, 111
 Grand Ropids, Mich

Alyssum-Glant Alyssum, $\$ 1$ per 100 S. 1,

Alyssum-Sweet alyssum, giant dbl. $\$ 1$ per $100, \$ 8$ per 1,000 . C. Humfeld Clay Center, Kan.
Alyssum-Double, 2-in., 2c; from sand, 1 c . Nemahs Greenhouses, Seneca, Kan

Asparagus-A. plumosus, 21/4-in. pots, $\$ 2$ per 100; A. Sprengeri, $21 / 4-1 n$. pots per 100
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Asparagus- 50,000 Sprengeri, 50,000 plumosus and robustus, ready June 1 Send for prlces.

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Asparagus-Plumosus nanus, strong plants ready for 4-1n. pots, or for planting out; ${ }^{2} 1 / 4-1 \mathrm{ln}$. pots, $\$ 2.25$ per $100, \$ 20$ per 1,000; $3-\mathrm{in}$. pots, $\$ 4.50$ per 100 ; $100, \$ 5$ per 1,000 ; $3-\mathrm{in}$. pots, $\$ 4$ per 100 . Good \& Reese, Springfleld, 0.
Asparagus-A. plumosus and Sprengeri,, 3 -in., only $\$ 4$ per 100

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Asparagus-Asparagus plumosus nus, $2-\ln$., $\$ 2.50$ per 100 ; $3-1$ n., $\$ 5$ per 100 A. Sprenger1, 2-In., $\$ 2$ per 100.
Sherman Nursery Co., Charles City, Ia.
Asparagus-Asparagus plumosus 2 and
-in., \$4 to $\$ 8$ per 100 ; Sprengeri, 2 and
in., $\$ 3$ to $\$ 5$ per 100.
Geo. M. Emmans, Newton, N. J.
Asparagus-Asparagus plumosus nanus. 45 King St., Dorchester Mas.
ster. Mass.
Asparagus-A. plumosus nanus, 100 eeds, $40 \mathrm{c} ; 1.000$ seeds. $82 ; 12,000, \$ 20$. Gilman Taylor, Glendale, Cal
A sparagus-A. plumosus, from $4-\mathrm{in}$.,
12.50 per $100 ; 31 / 2-\mathrm{in}$., $\$ 10$ per $100 ; 3-\mathrm{in}$., 12.50 per $100 ; 31 / 2-\mathrm{in}$., $\$ 10$ per $100 ; 3$-in. $\$ 7$ per $100 ; 21 / 2-$ in., $\$ 4$ per 100 A.
Sprengeri, 4 -in. $\$ 8$ per $100 ; 3$-in., $\$ 5$ per Sprengeri, 4-in. $\$ 8$ per $100 ; 3-i n ., \$ 5$ per
100 Cation Greenhouse Co.. cor. Sth Ave and Elliott St., Peoria, 111.
Asparagus-A. plumosus, 2 -in., $\$ 3.50$, -in., \$8: 4 -in., $\$ 15$ per 100 . ${ }^{\text {Sprengeri, }}$ Baskets of Sprengeri, etc. Geo. A. Kuhi, Pekin. 111.
Asparagus-A. plumosus, from $2-1 n$. pots, 8.25 per $100 ; \$ 20$ per 1,000: not ess han W . W. es, kokomo, Ind
Asparagus-A. plumosus, from $21 / 4-\overline{\mathrm{in}}$. pots, $\$ 2$ per 100. Nunnally Co., Atlanta

Asparagus-Asparagus roots, 1-yr. old Conover's Colossal, Barr's Mammoth, $\$ 2.25$ per' 1,$000 ; \$ 10$ per 5,000 . Vaughan's Seed Store, 84-86 Randolph St., Chicago.

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Azalea-Azaleas, all sizes and prices, $75 \mathrm{c}, \$ 1.00, \$ 1.25, \$ 1.50, \$ 1.75, \$ 2.00$. 1,500 Mne. Van der Crusssen; other vars. Aschmann, 1012 Ontario St., Philadelphia.
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Azalea-Azalea mollis, mixed, 20 buds, 40 c each, $\$ 4$ per doz., $\$ 30$ per 1100 .
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Begonias-Flowering, 5 varietles, 2 to ${ }^{2}-\mathrm{in}, \$ 5 ; \mathrm{G}^{3-\mathrm{in},} \$ 7.50 ; 4$-in, $\$ 12.50$ per

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Canna-Gold medal canna West Virginia; started plants $\$ 5$ per 100 Limited
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Cannas- In variety, strong. $\$ 5$. By mail add loc per 100 , R. $\quad$ and seed lings. Caslı with order. Ludvig Cannas-Clias. Henderson, Burbank Eouvier, from t-in., s ler 100 Cation Greenhouse Co, cor Sth Ale and Elliot
cannas- 5,000 trom $:$ in pots, $\$ 5$ per kokomo. Ind.
carnation-Kooted carnation cuttings White Lawson, $\$ 6$ per 100, $\$ 50$ per 1,000 Flaminzo, $\$ 6$ per 100 , $\$ 50$ per 1,000 The Queen $\$ 2.50$ per 100 , $\$ 20$ per 1.000 Cardinal from 2 -in. pots, $\$ 12$ per 100 Larchmont Nurseries, Larchmont
Carnation-Crisis (new), $\$ 12$ per 100 Mrs. Patten, $\$ 6$ per 100; Judge Hins dale, $\$ 4$ per 100 ; Lady Bountlful, $\$ 5$ per 100; Buttercup, $\$ 3$ per 100; Flamingo $\$ 6$ per 100 ; Dorothy Whltney, $\$ 3$ per 100 Golden Beauty, $\$ 3$ per 100; Prosperlty, $\$ 2$ per $100 ; \mathrm{Mrs}$. J. H. Manley, $\$ 2.50$ per 100 ; Wm. Scott, $\$ 1.25$ per 100 , $\$ 10$ per 1,000; Florlana, $\$ 1.25$ per 100, $\$ 10$ per 1,000 ; Lorna, $\$ 1.25$ per 100, $\$ 10$ per 1,000 Eldorado, $\$ 1.25$ per $100, \$ 10$ per 1,000 Mrs. Joost, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 Enchantress, $\$ 3$ per $100 . \$ 25$ per 1,000 1.000 Clorad, $\$ 1.50$ per $100, \$ 12$ per 1,000; Fiora Hill, $\$ 1.25$ per 100 , $\$ 10$ per ,000, Mrs. Lawson, $\$ 2$ per $100, \$ 15 \mathrm{per}$ 1.000: Adonis, $\$ 2.50$ per $100, \$ 20$ per 1,000; Gov. Roosevelt, $\$ 1.50$ per 100, $\$ 12$ per 1,000 ; Mrs. P. Palmer, $\$ 1.25$ per 100 , $\begin{array}{cl}\text { per } 1,000 \text {; Mrs. P. Palmer, } \$ 1.25 & \text { per } \\ \$ 10 \\ \text { per } 1,000 ;\end{array}$ $\$ 20$ per 1,000 ; Mrs. E. A. Nelson, $\$ 1.50$ $\$ 20$ per 1,000 ; Mrs. $\mathbf{E}$. A. Nelson, $\$ 1.6$ per 100 , $\$ 10$ per 1,000 ; Queen Louise, $\$ 1.25$ per 100 , $\$ 10$ per 1,000 ; Dorothy, $\$ 1.25$ per $100, \$ 10$ per 1,00
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J. L. Dillon. Bloomsburg, Pa.

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 now: Phyllis, Chicago White, Rober Craik, White Lawson. Send for prices. Crisis, new. $\$ 12$ per $100, \$ 100$ per 1,000 Crusader, $\$ 5$ per 100 , $\$ 40$ per 1.000 Ealinse Dorner's \$10' Eclipse. Dorner's. $\$ 12$ per $100, \$ 100$ per 1, 1000; Flamingo, $\$ 6$ per 100, $\$ 50$ per 1,000 Iniclianapolis, $\$ 5 \mathrm{per} 100$, $\$ 40$ per 1,000 mons Gem. \$10 per $100, \$ 75$ per 1.000 ; mond Gem. $\$ 10$ per 100 . $\$ 15$ per 1000 per, $\$ 5$ per $100, \$ 40$ per 1.000 ; Variegated Lawson. $\$ 12$ per $100, \$ 100$ per 1.000 Thwson. $\$ 12$ per $\$ 100,100$ per $100, \$ 0$ per 1,000 Vaughan's Sect Store, Chicago, Greenhoughan S. Wecr store, Springs, Ill.Carnation-Seed, hand lyyridized, 1-16 oz., $\$ 2$; over 40 varieties: hicom 4 months from Illanting. F. Gilman Taylor. Glen-Carnation-Rooted cuttings.
Wm. Swayne, Kennett Square, Pbiladelphia.
Carnation-Carnation Bride, $\$ 6$ per 100. $\$ 50$ per 1,000; Phyllis, $\$ 12$ per 100 , $\$ 100$ per 1,000

Carnation-Carnation Fred Burki. Al orders booked now are for Aprll delivery. The Cardinal, best scarlet, root ed cuttings now ready, $\$ 12$ per 100 ; $\$ 100$ delsky. Philadelphia.

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George M. Emmans. Newton, N. J.

Carnation-The Cardinal; best scarlet In market today; rooted cuttligg now ready; $\$ 12$ per $100 ; \$ 100$ per 1,000.

Carnation-The Cardinal; best scariet in market; rooted cuttings now ready $\$ 12$ per $100 ; \$ 100$ per 1,000 .

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100 , $\$ 11.50$ per 1,000 ; Lawson, $\$ 1.60$ per 100, $\$ 11.50$ per 1,000
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Carnation-Red sport, holly berry red, $21 /$ to $3-1 \mathrm{ln}$. flower. Immediate dellvery price, $\$ 1.50$ per doz., $\$ 2.50$ for 25 , $\$ 4$ for 50; all postpald; $\$ 6$ per $100, ~ \$ \$ 0$ per
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Cand Co., LaFayette, Ind. Carnation-Rooted cuttlngs now ready. All best commerclal varleties; slso some of trled newer sorts. First-class stock Poehlmann Bros. Co., Morton Grove Ill.
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51 Wabash Ave., Chicsgo.
Carnation-Rooted carnation cuttings. White Lawson, 5,000 ready to be shipped $\$ 7$ per 100, $\$ 60$ per 1,000; Lady BountlPul, $\$ 7$ per $100, \$ 60$ per 1,$000 ; \mathrm{Mrs}$. M. A Patten, $\$ 6$ per 100 , $\$ 50$ per 1,000 ; Nelson Flsher, $\$ 7$ per $100, \$ 60$ per 1,000; Dshelm 66 per $100, \$ 50$ per 1,000: Enchantress, $\$ 3.50$ per ${ }^{5} 00, \$ 30$ per 1,000; Boston Mar ket, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; The Queen, $\$ 2.50$ per $100, \$ 20$ per I, 000 : White Cloud, $\$ 1.50$ per $100, \$ 12$ $\begin{array}{ll}1,000 ; \text { Mrs. T. W. Lawson, } \$ 2 \text { per } \\ \$ 18 \text { per } 1,000 \\ \text { Gen. Maceo, } \$ 2 & \text { per } \\ 100\end{array}$ $\$ 18$ per 1,000; (Nen. Maceo, $\$ 2$ per 100 $\$ 15$ Der 1,000; Morning Glory, $\$ 2$ per 100 , $\$ 15$ per 1,000 i Mrs. G. M. Bradt, $\$ 3$ per
100 , $\$ 25$ per 1,$000 ;$ Melba, $\$ 1.50$ per 100 , 12 per 1,000: Queen Loulse, $\$ 1.60$ per 100 , $\$ 12$ per 1,000 . Grafted roses. Write for prices.

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Carnation-Red Lawson, at $\$ 10$ per 00; $\$ 40$ per $500 ; \$ 75$ per 1,000 .
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Carnation-Carnation Candace, $\$ 2$ per doz., $\$ 12$ per 100 , $\$ 100$ per 1,000. DisIndlanapoll
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> W. H. Watson, Lapeer, Mich.
> Csntaurea-Centaurea Gymnocarpa, $\$ 2$ per 100

Jos. H. Cunningham. Delaware, O.
Centaurea-2 to $21 / 2-$ in. $82.50 ; 3$-in., $\$ 5$ per 100. Geo. A. Kuhl. Pekin, Ill

Cherries - Jerusalem cherries, last ear sose, Cal. per 100. Jas. A. Lake,
Chrysanthemums-Fine lot in sand;
Chrysanthemum-Fine plants, ready to ship, from soil or sand. White, per 100: Estelle, Kalb, Robinson, Polly Rose, Wanamaker, $\$$, Eaton, 2.00 ; Bonnarion, Snow queen Merry Christmas ridge, $\$ 3$. Yellow, per 100 : October Sunshine, Monrovia, Major Bonnafion, Appleton, Y. Jones, Y. Mayfower Beauty, Mournler, Omega, $\$ 2$ Y. Eston Golden Wedding, \$2.50; Wm. Thirkell, T. W. Pockett, H. S. Valis, Kimberly, \$3. Plink, per 100: Duckham, Cobbold, Balfour, \$3: Glory of Pacific, Plnk Ivory, M. Lavender Queen Richardson Murdoch V. Morell, $\$ 2$. Red, per 100 ; Oakland, Paul Lsbbe, Black Hawk, \$2.50.
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Chrysanthemum-Three new chryssnthemums, Majestlc, Adella snd Madonns, ooted cuttlings, $\$ 3$ per doz., $\$ 15$ per 00: $2-1 \mathrm{n}$. pots, $\$ 20$ per 100
John Braitmeyer's Sons, Detrolt, Mlch.

## Chrysanthemams-Ready to shlp now

 or soll, good strong cuttings as 300 F. Tesl, 100 Glory of Pacific, 200 Polly Rose, 100 Wlllowbrook, 100 Golden Trophy, 100 Mrs . Roblnson, 400 Bride, 400 Applaton, 400 Minerva, 200 G. W. Childs, ${ }^{300}$ T. Shrimpton, 200 ViviandMorel, 1,000 Niveus, I, 000 Mutual Friend, 1,000 Hallday, 2,000 Ivory, white: 300 vory, plnk; 500 Cullingford1, 400 J. Jones, white; 400 J. Jones, yellow; 300 Black Hawk, 300 Xeno, 1,200 G. Wedalng, 1,000 Lincoln, 700 Maud Dean, 300 Nagoya, 400 Mme. F. Perrin, 600 T. Eaton, 1,000 Y. Bonns tles, $\$ 1.50$ per 100; $\$ 12.50$ per 1,000 . Wells, Princess, N. Pockett Mrs. W. Mildred Ware, Mrs. E., F. Vallis, W'. Duckham, Dr. Enguehard, $\$ 2.50$ per 100 . Gen. Hutton, F. A. Cobbold, Lella Filins. L. T. Wright, $\$ 4$ per 100.Buffalo. Kasting 383-87 Ellicott St.,
Chrysanthemum-M. Bonnaffon, RobIn90n, G. Paclifc and M. Liger, $\$ 2$ per 100, $\$ 15$ per 1,000 . Estelle and Wm. Duckfrom $21 / 2-\ln$. pots, $\$ 1$ per 100 . Chlcago Carnation Co., Joliet, Ill.

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Chrysanthemums-75,000 best var., Including best Pompon collection in coun try. Spectal prices on Pompons, for our selection. Nathan Smith \& Son Adrlan, Mich.

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Chrysanthamums-Mrs. W. Duckham 75c each: $\$ 7.50$ per doz. Merstham Yel 10 w, White Coombes, 50 c each; $\$ 5$ per doz.: $\$ 35$ per 100: also Mrs. A. J. Mller, J. H. Doyle, D. Stevens, Mrs. H. A. Allen Emily Mlleham, Merstham Red, Val Greenham, Lady Cranston. etc., 50 c each $\$ 5$ per doz.; $\$ 30$ per 100; W. Duckham, $F$ A. Cobbold, Gen. Hutton, D. McLeod, W
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Clematis-Jackmani, $2-y \mathrm{r} .{ }^{\$ 2.50}$ per $\$ 35$ 'per 100; asst'd, 3 -yr. $\$ 3.50$ per doz. $\$ 25$ per 100 , Vaughan's Seed Store, Chicago and N. Y.

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Clematis-Clematis, 2 -yr., home grown, 25 c ; $\$ 2$ per doz.; $\$ 15$ per 100. Pandculata per doz.; \$4'per 100. F. A. Baller, Bloomper doz. ington. Ill.

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Coleus-Twelve var., $21 / 4-\mathrm{in}$. pots. $\$ 2$ per 100
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Cyclamen-Cyclamen splendens gigan teum, hybrid seedllngs, $\$ 3$ per $100, \$ 25$ per 1,000. Paul Mader, E. Stroudsburg,

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Dablias-in var., 50 c per doz., $2 \frac{1 / 4}{}$-in., $\$ 4$ per 100. By mail add 10 c per 100 on R. C. and seedlings. Ludvig Mosbaek, Onarga, Ill.
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Dahlia-Dahlia Sylvia, divided field Vaughan's $\$ 2$ per doz., $\$ 15$ per Store, Chicago and
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Dracæna-Dracæna indivisa, 2-3-in. to 4-in., \$2.50, \$5 and \$8. By mail add 10 c per 100 R. C. and seedlings. Cash with

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Ferns-Fancy ferns, $\$ 1.50$ per 1,000 dagger ferns, $\$ 1.25$ per 1,000 ; galax, 75 c per $1,000, \$ 6.50$ per case of 10,000 . Laurel festooning, $4 \mathrm{c}, 5 \mathrm{c}, 6 \mathrm{c}$ per yd.; wild sml lax. $\$ 5.50$ per $50-1 \mathrm{~b}$. case; laurel and Princess pine wreaths

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Ferns-Boston ferns, $21 / 2$ to 10 -in. Scottii ferns, 4.5 and 6-1n., Foster ferns 21, and 3-in. Small ferns for ferneries
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Fern-The Tarrytown fern, N. Pler soni elegantissima, $21 / \pm$-in. pots, $\$ 9$ per doz.; 50 plants at 60 c each, 100 at 50 c each, 500 at 45 c each, 1,000 at 40 each 5-in. pots, $\$ 12$ per doz.; 6-in. pots ${ }^{\text {d }}$ \$24 per doz.; 8-in. pots, $\$ 3$ per per doz.: $10-1 \mathrm{~m}$. pots, $\$ 60$ per doz
Tarrytown,
N.

Ferns-Boston, 2, 3 to $4-i n$. $\$ 3, \$ 6$ and \$12. Cash with order, Ludrig Mosbaek, narga, 111.
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Geranium-S. A. Nutt geranlums, healthy, $2 \frac{1 / 2}{}-1$ n., $\$ 3.50$ per 100 .
Geraniums-Ten var., $21 / 2-1 \mathrm{ln}$. pots, $\$ 3$ per $100 ; 10$ var., $31 / 2-1 \mathrm{n} ., \$ 4$ per 100 .

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Geranium-Have this stock by the 100,000. Rooted cuttings; big lot ready. Albert M. Herr, Lancaster, Pa.
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Geranium - Mme. Salleroi, strong lants, $\$ 1.50$ per 100. Jas. A. Lake, San

Geraniums-S. A. Nutt, Bruant, Trego, Mrme. Carnot, La Favorite, E. G. Hill, F. de Poitevine, J. Yiaud, 4-in., $\$ 8$ per 1 me. Salleroi, $21 / 2-\mathrm{in}$., " $\$ 2.50$ per 100 . ration Greenhouse Co., cor. 5th A Ave and Elliott St., Peoria, 111.
Geraniums-Rose, 2 to $21 / 2-i n . . \$ 3.50$; in., $\$ 5$ per 100; ivy geraniums, ${ }_{2}^{2}$ to 2\% in.. \$3 per 100; pink. red, white and
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Geranium-In varieties, $21 / i-i n$, pots, $\$ 2.50$ per 100: Mme. Sallerol, very strong, $21,-$ in., $\$ 2.50$ per 100 By mail sdd 10 c nrder. Ludvig Mosbaek, Onarga, Ill.
Gloxinia Large size, four separate lors. \$4 per 100. 5c each for Smaller

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Hellotrope-Dark blue hellotrope in Top Greenhouses, Utica, $\mathrm{N}^{\mathrm{Per}} \mathrm{Y}$

Heliotrope-The best named var., $\$ 1$ per 100, $\$ 8$ per 1,000. C. Humfeld, Clay

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$\$ 11$ per $100 ; 12$ to 18 in., $\$ 1$ per doz., $\$ 11$ per 100; 12 to 18 in., $\$ 1$ per doz.,
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Vaughan's Seed Store, Chicago ans Vaughan' New York.

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Iris-Iris ochroleuca gigantea, Russian iris, strong plants, $\$ 1.50$ per doz, Annie E. Craft, St. Joseph, Mo.

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2.50 per 100 . By mail add 10 c per 100 $\$ 2.50$ per 100 . By mail add 10 c per 100
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Lilies-Cape Cod, pink pond Illies, strong, flowering roots, \$3 per doz
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Lilies-Lilium Melpomene, 8 to $9-\mathrm{in}$., per $100, \$ 6 ; 9$ to 11 -in., $\$ 8$; Lillum speciosum album, 8 to 9 -in., $\$ 7.50 ; 9$ to 11-ln., $\$ 12$; Lilium speciosum rubrum, 8 to 9 -in., $\$ 5 ; 9$ to 11 -in.; $\$ 7.50$. Bobbink \& Atkins, Rutherford, N. J.
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Lobella-Lobella, dwarf blue, $\$ 1$ per ${ }^{100}{ }^{\text {Hilll }} 11$ Top Greenhouses, Utica, N. Y.
Marguerites-White and yellow, $\$ 2$ per 100 . By mail add 10 c per 100, R. C. and
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Orchid-Cattleya Schroederæ a grand well assorted importation ju*t arrived. Stanley \& Co., Southgate, En:siand.
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Place. Chicago. Co., 1657 Buckingham Place, Chicago.
Palms, Etc.-Palms, ferns and decoratlve plants.
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Palms, Etc.-Kentla Belmoreana and Kentia Forsterlana.

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Palms, Etc.-Palms, ferns and decoratlve plante.
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Pansles-White, black, blue, purple and yellow. separate colors, trans. $\$ 1$ per 100. Cash with order. Ludvlg Mosbaek. Onarga, Ill.
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Pelargoniums-Fine stock, $4-\ln$., $12 \frac{1 / 2 c}{}$ each. Cation Greenhouse Co.., cor. 5th Ave. and Elliott St., Peoria, Ill.

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Peonies-Choice white; strong divided plante, 3 to 5 eyes, in quantlity. Festiva maxlma, 35c: Q. Victorla, 12c; Golden Harvest, 20c. Order at once, spring de llvery.

Peterson Nursery,
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Petunias-Double eringed petunla. Six distinct novelties, labeled, $\$ 1.25$ per The W W. T. Buckley Co., Springfield. Inl.

Petunias-Double, 2 to $2 \frac{1}{2}$ - In ., $\$ 3.50$;


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Petunias-Double petunlas, $\$ 3$ per 100; seddings $\$ 2.50$ per 100 .
Jos. H. Cunningham, Delaware, 0 .
Petunlas- 20 varieties, $\$ 1.25$ per 100 ,
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Petunias-Petunias, dbl., $\ln \ln \xi \mathrm{d}$, $\ln$ bud and bloom, 4-in., $\$ 6$ Per

Petumias-King's double white, $\$ 1.25$ per $100, \$ 10$ per 1,000 . C. Humfeld, Clay Center, Kan.
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4-1n. pots, 75 c per doz., $\$ 8$ per 100 .
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Poinsettias Stock plants, dormant, C. Ein. pote, $\$ 1.50$ per doz.; $\$ 10$ per 100. delphia.

Primroses-Primroses Chinese Obconica and Forbesl; $\$ 2$ per 100, July 1 Jos. H. Cunningham, Delaware, 0 .

Roses-The new Rose Wellesley in $21 / 2-\mathrm{in}$. pots, at $\$ 25$ per 100 ; own root plants, Waban Rose Conservatorles, atick, Mass.
Roses-Fine strong 3 -in. stock, La d'Etolle and MacArthur, $\$ 8$ per 100; A. Beauty, $\$ 6$ per 100 ; Perle and Mme. Chatenay, $\$ 5$ per 100 ; Brlde, Mald and Sunrise, \$4 per 100. C. R. Hills, Grand Rapids, Mich.
Roses-If you have not room, order A. Kuhl, Pekin, Ill.

Rooes-American Beauty, La France and Bride. Godirey Aschmann,

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Roses-Young atock of roses ready to shlp; from 2-in. pots: Bride, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Bridesmald, $\$ 3$ per 100 , $\$ 25$ per 1,000; Meteor, $\$ 4$ per $100, \$ 30$ per 1,000: Chatenay, $\$ 3$ per 100, $\$ 25$ per 1,000; Kalserln, $\$ 4$ per $100, \$ 35$ per 1,000 . Wietor Brothers, 51 Wabash Ave., Chlcaso.
Roges-Bride, Bridesmaid, Perle, Ivory, G. Gate, Etolle de Lyon, Mrs. Cant cochet ${ }^{\text {Bon }}$, plilene, etc., \$4 per., 2-In. \$3 per 100, $\$ 25$ per 1,000. E. G. Hill Co., Richmond, Ind.
Roses-Roses, $21 / 4-\ln$. pots, otrong plants. Mald, Bride, White and Pink Cochet, $\$ 2.50$ per 100 , $\$ 20$ per $\$ 1,000$. Amerlcan Beautles, $24-\mathrm{in}$. pots, $\$ 5$ per 100,
per 100,
500
per per 1,0000
per ${ }^{100}$. $\$$ Reimers, Station A, Louleville, Ky.
zoyes-Easter stock Baby Rambler rose, Mme. Norbert Levavasseur,
year-old, fleld-grown, for 4 -in. pote, $\$ 5$ per doz., $\$ 35$ per 100.
Henry A. Dreer, Inc. 714 Chestnut St., Philadelphia.
Rose-Gen. MacArtbur, $2 \frac{1 / 2-i n}{}$ pot plants, $\$ 10$ per $100, \$ 80$ per 1,000 ; 3 - m ., $\$ 12$ per 100 . Storrs \& Harrison Co.,
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Roses-Fine, clean stock from $21 / 2-\mathrm{in}$. pots, $\$ 2.50$ per $100, \$ 20$ per 1,000 ; Maman Cochet, 2 var. Hermosa, M. Niel, Meteor, Cl. Meteor, Burbank, C. Soupert, Etolle de Lyon, Ivory, G. Gate, Bride Sllene, Agrlpplna, Pllar of Gold, Solfaterre, Marle Gullot, M. Van Houtte, Gruss an Teplltz, Fichruger, Perle des marque, white and striped La France, marque, White and striped Hel France, Papa Gontler, Chatenay, Folkestone, Media, Antolne Rlvolre, Malmalson, Clara Watson. R. H. Murphey, Urbana, Ohlo.
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Wabash Ave., Chicaso. Wabash Ave., Chicaso.

Roges- 50,000 grafted roses for forc ing. Delivery April, May, June. Liberty, rose pots, $\$ 2$ per 100; $31 / 2$-in. pote $\$ 18$ per 100; Brides, Bridesmaids, Golden Gate, Kaiserin, rose pots, $\$ 10$ per 100 $31 / 2$-in. pots, $\$ 15$ per 100
J. L. Dillon, Bloomeburg, Pa.

Eoses-A complete list of all the forc${ }^{\text {Ing }}$. Marieties, Summit. N. J.

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A Beauty, $\$ 5$ per $100, \$ 50$ per 1,000 Ameauty, $\$ 5$ per 100, \$pants, $\$ 5$ per 100 Aman Beauty bench plantinberg, 51 Wabash Ave., Chicago.

Roses-Gruss an Teplitz, $\$ 2$ per doz. $\$ 15$ per 100; Hermosa. 3-year-old, $\$ 2.2$ per doz., $\$ 16$ per 100; Clothilde Sou pert and A. Beauty, $\$ 1.50$ per doz. \$10 per 100; Kaiserin Aug. doctoria per 100 La France, $\$ 2$ per doz., $\$ 15$ per 100; Crimson Rambler, -yea $\$ 2$ per doz., $\$ 10$ per 100 , and many other varieties. Yaughan's Seed Store, Chicaso and New York

Roses- $2^{1 / 2-1 n}$. pot plants: Richmond, $\$ 30$ per $100, \$ 250$ per 1,000 ; Rosalind Orr English, $\$ 25$ per 100, $\$ 200$ per 1,000; Chatenay, $\$ 3$ per 100 , $\$ 25$ per 1,000 ; Sunrise, $\$ 4$ per $100, \$ 30$ per 1,000 ; Perle von Godesberg, $\$ 5$ per $100, \$ 40$ per 1,000 ; Liberty, \$5 per $100, \$ 45$ per 1,000 ; La Detroit, $\$ 6$ per $100, \$ 50$ per 1,000 ; Uncle John, $\$ 3$ per 100, $\$ 25$ per 1,000; Kaiserin. $\$ 3$ per 100 , $\$ 25$ per 1,$000 ;$ Bridesmaid, $\$ 3$ per $100, \$ 25$ per 1,$000 ;$ Bride, $\$ 3$ per
$100, \$ 25$ per 1,$000 ;$ Ivory, $\$ 3$ per 100 , $\$ 25$ $100, \$ 25$ per 1,000 ; Ivory, $\$ 3$ per $100, \$ 25$
per $1,000:$ Perle, $\$ 3$ per $100, \$ 25$ per 1,000 ; A. Beauty, $\$ 5$ per $100, \$ 50$ per 1,000 : American Beauty bench plants, $\$ 6$ per
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Boses-Liberty and A Beauty roses, 2-yr. in 5 -in. po

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George
Reinberg,
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Pumps-Rider-Ericsson, second hand, 40 up. Metropolitan Material Co., 1408 Metropolitan Ave., Brooklyn, N. Y.
Pumping Engines-Two streams of ater for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump \& Engine Co., Cleveland, Ohio.

Steam Traps-Steam traps save coal. Return steam trap, used by up-todate greenbouse men, returns condensed water from the heating colls in greenhouse. Have been in use over 30 years. Insures an even temperature.

Albany Steam Trap Co., Albany, N. Y.
Steam Traps-The Standard return team trap has no equal for its simplicty of working.
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Steam Traps-Morehead traps insure ree circulation in coils. Save ruel.

Amerin blower Co.. Detroit. Mich.
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prices and catalogues. ${ }_{365-1373}$ Flushtor Ave., Brooklyn, N. Y.
Ventilators-We furnish high grade ventilating apparatus, ralsing the sashes $\ln$ greenhousee and other buildings.

Lord \& Burnham Co., 1133 Broadway, N. Y. General office and works, Irvington-on-Hudson, N. Y.
Ventilators-The New Departure ventilating appliance, cheapest and best. If you doubt, try it and be convinced.
J. D. Carmody, Evansville. Ind. culars
Diller, Caskey \& Co., Cor. 6th and Berk Sts., Philadelphia.
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Vontiatore Foley ventilating appar-
atus. Foley Mig. Co., 471
W .22 d
St ., atus.
Chicago.

Ventilator:-Hand ventilators, ete.
The KIng Construction Co., N. Tonawanda, N. Y.

## Boston.

stock moves freely.
During the first part of the week just passed the market was still in the midst of the "'before Easter'" dullness, but it has picked up decidedly the last of the week and all varieties of flowers and plants are selling freely at good prices. Easter lilies are appearing in abundance and are of exceptionally good quality selling at from 10 to $12 \frac{1}{2}$ cents apiece. Roses of all varieties have been selling a little more freely this week at the lower prices. Carnations are selling well at from 2 to 3 cents for the ordinary varieties and 4 cents for the choice ones.

The supply of sweet peas and of vio. lets is exceedingly short, and the prices of these two flowers as a result are away up.

Bulo stock has been cleaning up well at from $\$ 2$ to $\$ 3$ for the singles.
If the weather keeps steady now there will be a great rush of business next weck in all the different florists" lines; the retailers in particular are making great preparations for window displays.
notes.
Anderson \& Williams, of Waltham, have a new lot of American Beauty growing in their new house and they may be able to get quite a cut off them for Easter. The plants are some of the thriftiest seen in this vicinity. They are grown in a house which uses the system of automatic ventilators which in a measure probably accounts for their good condition. Their house of Boston ferns is also in exceptionally good condition, the plants all being very vigorous.

The firm of E. N. Peirce \& Sons have on hand one of the largest displays of Easter lilies ever seen in New England and the general public and many of the florists have taken the opportunity afforded to see them. One of their longest houses is entirely filled with lilies, there being fully 200,000 blooms in this one housc.

Edward MacMulkin of Boylston street had a very attractive window the past week, it being a green effect, made up of mignonette and maiden. hair ferns with small fir trees for a background, and several baskets of fruit to lend color.
N. F. McCarthy \& Company beld the first of their spring auction sales on Friday, and there were a large number of buyers in attendance. Over 15,000 hardy roses were disposed of, besides large numbers of rhododendrons, box trees and azaleas.

Two men from some one of the Providence department stores have been in town the past week buying up all the roses in sight to be used as gifts for their patrons. They took 4,000 from one grower, it is said.
B. F. Washington, of Stoughton, bas been bringing in to the new market some exceptionally fine white stocks in pots, and he is obtaining good prices because of its quality.

The Boston Cut Flower Company of Bromfield street is making prepara. tions for an extensive display of Easter plants, including lilies, azaleas and Crimson Rambler.

Thomas Galvin furnished the decorations for the house wedding of Miss Canterbury and Dr. Smith at the house of the bride in Brookline on April 3. evening.

James Galvin, formerly with N. S. Wax \& Company of Tremont street, has accepted a position with Rosenthal of Bromfield street.
C. O. Saunders of the Belmont Hill Nurseries died last week. He was one of the best known nurserymen of this locality.

William Glidden, J. A. Budlong's representative in Boston is now recovering from a severe attack of typhoid fever.

Norton, the florist of Park street, has just finished fixing up the vases and lawns for the Hotel Brunswick.

John Walsh, the manager of the Boston Flower Market, is ill with an attack of sciatic rheumatism.

William J. Elliott has just returned from a trip to Washington. He reports an enjoyable time.

Mann Brothers have been bringing in to the Boston Market a large supply of assorted tulips.
J. J. McCormack of Malden, has opened a wholesale flower store on Arch street, Boston.

Henry M. Robinson \& Company are selling a large number of ferns for the Easter trade.
J. M. Cohen of Bosworth place has closed up bis store and gone out of business.
H. P. S.

## Louisville.

## MAREET SATISFACTORY.

The previous week was a very busy and satisfactory one, there being quite a demand for nearly everything. The planting of hardy ivy and roses has begun, and the demand has been very good. The weather has undergone a serious change, snow falling heavily April 16. The change was very favorable, as it tended to hold back some of the Easter stock. The outlook for cut Howers for Easter is not quite as favorable now, and a week more of the warm weather we have been having would have helped considerably. Roses are of cxcellent quality, but the supply is rather short, with the demand very good. Carnations would have been in very heavily for Easter, but the cold weather held them back considerably. The quality is excellent and the demand very brisk. There is quite a demand for lily of the valley, the quality and supply being satisfactory. The quality of mignonette is fair, with the demand and quantity satisfactory. There has been a slight gIut on lilies for a few days, although the demand has been very good.

TRADE NOTES.
William Walker's carnations are in very good condition considering the lateness, Mrs. T. W. Lawson, Enchantress and Flora Hill being exceptionally good. A bed of Eaiserin roses is nearly covered with buds, the stock being in very good shape.
Schulz's hare an excellent lot of choice plants, such as azaleas, rhododendrons, spireas, hydrangeas, and some very fine plants of the newer varieties of geraniums for Easter sale. They had two long benches erectel to help display their tremendous stock.

Visitors: T. C. Joy, of the Joy \& Son Company, Nashville, Tenn.; C. L. Baum, of Knoxville, Tean., and W. S. Bell, of Lexington, Ky.
F. L. S.

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     $245: 3$ and
    rMohelia, II. P. 559 and 64?
    Gurmillea, IV. T. 123. Sree also Saceardo threvillas, IV. Tr. Vol. IV.

[^2]:    Charleston，W．Va．－A charter was issued here，January 3，to the Ameri－ can Horticultural and Distributing Company of Martinsburg，W．Ya，to manufacture and deal in horticultural and agricultural implements and chemicals．The capital is $\$ 20,000$ ． John W．Stewart，C．W＇．Tallees， J．P．Wickersham，John Lemon and H．J．Emmert，all of Martinsburg，

[^3]:    Carnations-Lawsoa, Prosperity, $\$ 12.50$ Cer l00 M Mra li. Joost, 0 1,oulse, \$10.00 per 1100

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